

MAY 3 1923

DENTAL LIBRARY

ORAL - *Copy 2 -* HYGIENE



MAY 1923

PROPERTY OF

Published for THE RANSOM & BENTON Co.

DENTAL LIBRARY

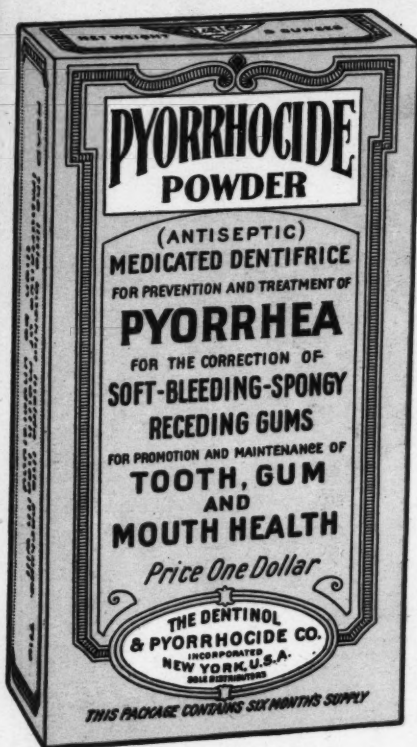
Toledo, Ohio, U. S. A.

UNIVERSITY OF MICHIGAN

DO NOT MUTILATE OR

Safe—Efficient

It is quite as important to prescribe a sterilized dentifrice as to use a sterilized instrument.



Reinfection is not the least of the dentist's troubles in his pyorrhea and prophylactic work. Otherwise the sterilization of instruments would be of little note.

PYORRHOCIDE POWDER

is a sterilized, remedial dentifrice—medicated with Dentinol (3%) and is designed expressly for the prevention and treatment of pyorrhea.

Its efficiency in repairing Soft, Bleeding, Infected Gums is recognized by every patient using it and by every dentist prescribing it.

It keeps the teeth white and clean—the gums pink and firm.

Prescribe Pyorrhocide Powder—Compare Results

The genuine Improved Dentinol Pyorrhea Scalers and Files, Dentinol Perfect Syringe, liquid Dentinol and Pyorrhocide Powder can be obtained from any Dental Depot. Pyorrhocide Powder at all drug stores.

The Dentinol & Pyorrhocide Co., Inc.

Sole Distributors

1480 Broadway

New York

The Hisey Wax Eliminator



QUICKLY removes the wax and mechanically inclosed water from the mold cavity and investment compound in an inlay ring.

The casting ring is heated rapidly, raising the water in the investment above the boiling point, which escapes through the investment as steam, quickly melting the wax of the pattern and forcing it from the mold through the sprue hole, leaving

No Carbon Residue

The remaining water serves to cleanse the cavity left by the wax and leaves an absolutely clean mold.

A Clean Mold Insures

Accurate Castings

Write for Literature.

Price Complete

For Natural or Artificial Gas,..... \$11.00

For Gasoline Gas..... \$14.00

The Ransom & Randolph Company
TOLEDO, O. U. S. A.

CLEVELAND
COLUMBUS

AKRON
INDIANAPOLIS

DETROIT
GRAND RAPIDS

FLINT

Inc.

New York

Standard Investment Compound



The one all-around investment. Unrivalled in fire-proof qualities. Sets hard. Capable of taking and holding the finest details of a model through the heating and casting process. No distortion under extreme heat.



R. & R. PAINTING INVESTMENT



A very fine investment used for painting the wax pattern before investing in the flask. Used in the double-investing method recommended by casting experts.

*Send for sample and
try it yourself.*

The Ransom & Randolph Company
TOLEDO, O. U. S. A.

CLEVELAND
COLUMBUS

AKRON
INDIANAPOLIS

DETROIT
GRAND RAPIDS

FLINT

BUSY?

Then read this:

¶ If a first class laboratory man came to you and said, "I will place myself in your employ to do all your work to the best of my ability and skill and charge you for the time devoted to the job and results, *only*" wouldn't you take him? Just think! You would not be obliged to pay him for the hours he wasn't busy nor for work spoiled nor would you be bothered by having him around your office. Wouldn't that be fine?

¶ Here's our offer to you. We can place such a man at your disposal to do your *hard pieces*, and you pay him for results *only*. He will not be in your way, nor muss up your laboratory, because he will do the work *in our* laboratory.

¶ Our laboratory work is good. We know it is good because our patrons take the time to tell us how well pleased they are.

¶ Your man is here and on the job; send him that hard piece as a starter. He will do the rest.

The Ransom & Randolph Company
TOLEDO, O. U. S. A.

COLUMBUS, O. INDIANAPOLIS, IND. CLEVELAND, O.



OXPARA

A uniformly successful treatment for abscessed or putrescent teeth.

Removes the trouble in from one to three applications.

Simple and Definite Technic

Oxpara is forced to the apex of the root and reaches every minute fibrile.

The dependence of thousands of dentists all over the world.

A boon for the dentist in isolated communities, remote from the specialist and the research laboratory.

Canfield Antiseptic Gutta Percha



Root Canal Points

*Aseptic, Non-Irritant,
Insoluble, Stable
and Ethical*

For nearly twenty years the Dependable Medium for Root-Canal Stopping in the offices of thousands of successful practitioners.

Every molecule of gutta-percha in every point is thoroughly impregnated with curative antiseptics and germicides.

The Ransom & Randolph Company
TOLEDO, O. U.S.A.

CLEVELAND
COLUMBUS

AKRON
INDIANAPOLIS

DETROIT
GRAND RAPIDS

FLINT

CHICA

New Prices



1 tube \$.50
10 tubes 4.50

No other quantity rates.

In thousands of dental offices Conducto Tablets are daily producing perfect anesthesia.

Each month, hundreds of dentists are added to the army of users till now they are probably the most talked of anesthetic tablets in America.

The Combination Tablet

These three words tell the story. For years the dentist has used Novocain-Suprarenin Tablets added to more or less indifferent Ringer solution with more or less unsatisfactory results. Sometimes success, often failure. But now, dentists everywhere are using

Conducto

Procaïn-Suprarenin
Ringer Tablets

The Ringer constituents are contained in the tablets. Just add one tablet to one mil of sterile distilled water.

An anesthetic so prepared is isotonic and when injected into the deep delicate tissues will not produce oedema, swelling, soreness, post-operative pain, nor interfere with healing of the tissues.

Write for "The Dentist's Story"
and Complete Conducto Catalog

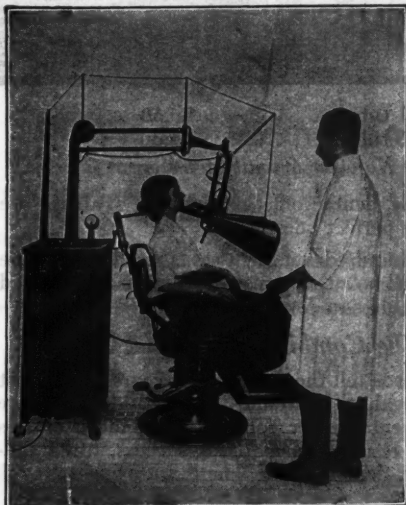
DENTAL PRODUCTS COMPANY

CHICAGO

U.S.A.

Order *your* EDWARDS X-Ray Unit Today

New Prices—New Terms



Mobile Tube
Arm Model
was \$875.00

New Price
\$775.00

Safe - T - Model
was \$660.00
New Price
\$595.00

Consider Safety, Reliability
and Efficiency and your X-Ray
choice will be an EDWARDS.

Ask your dealer

EDWARDS
X-RAY CORPORATION

INDIANAPOLIS, U. S. A.



CONTENTS — MAY 1923

Cover: Reproduced in six colors from a pastel by Hy. Hintermeister

GRADUATES OF 1923, WHY HAVE YOU ENTERED THE DENTAL PROFESSION?	666
<i>By Henry L. Banzhaf, B.S., D.D.S., F.A.C.D., Dean, Marquette University College of Dentistry.</i>	
THE OUTLOOK: IN WHICH MEDICINE IS GIVEN THE ROLE OF "MRS. JIGGS" AND DENTISTRY THAT OF "MR. JIGGS."	669
<i>By J. A. Cameron Hoggan, D.D.S., Dean, School of Dentistry, Medical College of Virginia.</i>	
THE OBLIGATIONS OF THE CLASS OF 1923	671
<i>By F. M. Casto, M.D., D.D.S., Dean, Western Reserve Dental School.</i>	
COMMENCEMENT DAY	675
<i>By C. Edmund Kells, D.D.S.</i>	
DRIFT AND LEADINGS IN DENTAL EDUCATION	677
<i>By T. O. Heatwole, M.D., D.D.S., Dean, University of Maryland, School of Dentistry.</i>	
A BALANCED DENTAL PRACTICE	679
<i>By Thomas P. Ryan, D.D.S.</i>	
DOCTORS OF HEALTH—NOT JUST DOCTORS OF DENTAL SURGERY	681
<i>By Grant H. Smock, D.D.S.</i>	
ON THE THRESHOLD	684
<i>By Charles K. Field, D.M.D., Professor of Operative Dentistry, Ohio College of Dental Surgery.</i>	
FIVE SUGGESTIONS TO GRADUATES	687
<i>By Louis Otisfy, D.D.S., M.D., Editor, Standard Dental Dictionary.</i>	
THE NEW GRADUATE IN RELATION TO DENTAL WELFARE	689
<i>By Harold De W. Cross, D.M.D., Director, Forsyth Dental Infirmary for Children.</i>	
THE DENTIST OF THE FUTURE	691
<i>By Andrew J. Brown, D.D.S., Vice-Dean, Howard University College of Dentistry.</i>	
SEPIA SECTION: PAGES FROM THE DIARY OF A MODERN DENTAL SAMUEL PEPYS	
"WHEN SKATING OVER THIN ICE, OUR SAFETY LIES IN SPEED"	693
<i>By C. Edmund Kells, D.D.S.</i>	
BOW, ALUMNI, TO THE GRADUATE	695
<i>By Rex N. Douglas, D.M.D.</i>	
EDITORIALS	697
RESEARCH WORK FOR THE YOUNG PRACTITIONER IN DENTISTRY	704
<i>By Moses Joel Eisenberg, D.M.D., Fellow of the Harriet Newell Lowell Society for Dental Research of the Harvard University Dental School. Former assistant in Neurology, Acting Chief in Dental Orthopedics at Forsyth Dental Infirmary for Children, Boston, Mass.</i>	
TO THE NEW DENTAL GRADUATE	706
<i>By Eugene S. Talbot, M.D., D.D.S.</i>	
DON'T BE AN ANCIENT DENTIST	708
<i>By E. L. Pettibone, D.D.S., President of the Ohio State Dental Society, Secretary of the National Association of Industrial Dental Surgeons, Vice-Chairman Council on Mouth Hygiene and Public Instruction American Dental Association.</i>	
A PURPOSE WORTH WHILE	710
<i>By A. R. McDowell, D.D.S., Junior Dean, College of Physicians and Surgeons, of San Francisco.</i>	
LAFFODONTIA	712

Copyright, 1923, by Rea Proctor McGee

ADVERTISING INDEX APPEARS UPON PAGE 792

Ney-Oro "O" Wire

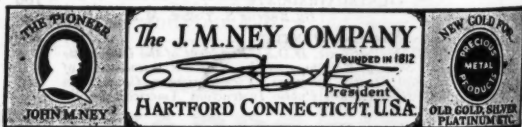
For Hot Bending

NHEY-ORO "O", our latest development, was produced in response to a demand for a wire of high spring value that could be manipulated by "hot bending" instead of cold working and still retain its temper.

A number of alloys for which this property has been claimed have been offered to orthodontists, but the claims of their makers have not been sustained, as these wires were merely the ordinary hard drawn, and softened very materially, depending upon the degree of heat applied.

Ney-Oro "O" tempered wire retains practically its original degree of hardness and resiliency upon heating and hot bending, thus making it possible to secure accurate adaptation by hot working instead of cold working, to solder the parts and complete the appliance without subsequent retempering.

Unless otherwise ordered, Ney-Oro "O" will be furnished tempered for hot working.



"Best since 1812"

Oral Hygiene

Registered in U. S. Patent Office—Registered Trademark, Great Britain.

FOUNDED 1911

MAY, 1923

VOL. XIII, No. 5

This Issue of ORAL HYGIENE is Dedicated to the Graduates

SPECIAL articles have been contributed by deans of many of our dental colleges as well as by several eminent private practitioners.

The men who wrote the pages that follow have succeeded in the profession you are now entering.

Their counsel is priceless. You would consider yourselves fortunate if given an opportunity to listen to a group of men of their calibre discuss the problems you are facing now. Here is that opportunity—thanks to the painstaking generosity of these distinguished gentlemen.

Graduates of 1923, Wh Dent

By HENRY L. BANZHAF,

Dean, Marquette

"It has been truly said that the ultimate goal of the dental and medical professions is to eliminate the necessity for their existence. God grant that some day preventive dentistry and preventive medicine will accomplish this great purpose. I believe, however, that unfortunately, that day is still far in the future."



OFTEN ask young men, when they enter the College of which I am Dean, what has caused them to select dentistry as their life work. Many, most, I hope, show that they sense, though perhaps only vaguely, the tremendous importance of the profession. Others, and I confess not a small number, admit that they are attracted to dentistry because of the excellent remuneration that they have been told can be earned by the average dentist. It is my custom to point out to this latter group, many of whom are earnest, well-intentioned young men, that they are not choosing the right profession in order to realize great financial gain.

No dentist that I know of earns as much as a railroad president. While it is true that the dentist may expect to live

comfortably if he invests his savings wisely, it is likewise true that the profits of the average dentist who really understands the problems and responsibilities of his profession cannot be measured in terms of dollars and cents. His profits are measured in far more precious units. The young men who have been attracted by the money-making phase of the profession are generally informed that if they have not changed their minds concerning their ambition in life after studying dentistry for four years, they will not be considered fit to graduate.

If the student has not been impressed with the idea that his greatest opportunity lies in the service that he may render society rather than in the opportunity to collect the fees of the dentist, his college course has, indeed, been lack-

Have You Entered the Profession?

NZHAFF, S. F. A. C. D., Milwaukee, Wis.

College of Dentistry

The dentist gets something out of life that cannot be paid for in dollars and cents: namely, the satisfaction of having a real worthwhile mission in life. Further, the graduate who fails to appreciate that the greatest mission of the profession should be to prevent diseases of the mouth and teeth rather than to repair the ravages of these diseases has missed the greatest lesson among the many that his teachers have labored to impress upon him. If the graduate lacks an enthusiasm for this, the most important branch of his profession, he will never truly understand it nor be happy in it.

If he is not willing, even though his ability runs to the development of technical skill in any one of the restorative branches of dentistry, to admit that the work of the oral hygienist and the school dentist in the classroom is of more importance to the Nation than his own specialty, he has missed the spirit of modern dentistry. One hour spent in instructing a child how to care for his teeth is worth much more to society than the same amount of time spent in repairing the malformation due to the extraction

of a badly decayed six year molar.

It has been truly said that the ultimate goal of the dental and medical professions is to eliminate the necessity for their existence. God grant that some day preventive dentistry and preventive medicine will accomplish this great purpose. I believe, however, that, unfortunately, that day is still far in the future.

If the legal profession were to encourage unjustifiable suits and legal entanglements for the sake of the fees involved—if the medical profession were to fail to vaccinate against smallpox until the epidemic had ravaged a community for the reason that patients, at so many dollars a visit, are profitable—the members of these professions would be no more morally guilty than those of the dental profession, were they to fail to make every possible attempt to reduce the prevalence of dental caries in our younger generation and the generations still unborn.

The graduates of 1923, I am sure, will not miss their opportunity in the field of preventive dentistry. If I were asked to make a concrete suggestion to these young men as

to how they might be of immediate service during the first year that they are practising, I should advise that each one of them visit the officer who has charge of the health department (in the larger towns) or the superintendent of schools (in the smaller towns) and suggest a mouth examination for all school children.

He should volunteer to do all of the work of examination himself, if the community is a small one and it is possible to do so; if not, he should offer to devote a certain number of hours each week to the work. He should use his own instruments and donate his services. If the problem is presented properly, he will, in nine cases out of ten, receive a cordial invitation to proceed with the work. Especially so, if he suggest the fullest co-operation with other members of the profession who are already practising in the community.

Some men in the profession are "too busy" with operative and prosthetic work to pay much attention to prevention. Others will respond. Immediately, because he is a beginner in the profession, the newcomer should offer to work *under* his more experienced colleague. This will promote a fine professional spirit. Besides, the community will give

credit to the dentist who first started the idea. In a large city, where a corps of dental hygienists and city dentists are employed, the young graduate will find that the head of the Dental Division of the Health Department is in desperate need of ten times the number of assistants that he has been allowed. This officer will welcome the young dentist's co-operation as a lecturer or as a part-time assistant.

I need not point out that any young graduate will be well repaid in more ways than he anticipates for energies expended in the interest of this great cause.

Go, then, graduate of the Class of 1923. Remain always a student. Look upon the fees you receive not as an end, but as a means to aid you in increasing your usefulness to society. The homely old adage, "An ounce of prevention is worth a pound of cure" epitomizes the spirit of modern dentistry better than anything else that may be said. May you who are just entering this profession of service keep this idea uppermost in your minds and may your achievements in the great field of preventive dentistry be so noteworthy as to win for you the approval of a grateful public.



The Outlook

In which Medicine is given the role of "Mrs. Jiggs" and Dentistry that of "Mr. Jiggs."

By J. A. CAMERON HOGGAN, D.D.S., Richmond, Virginia.

Dean, School of Dentistry, Medical College of Virginia

"Just because they do not die as Mrs. Jiggs' patients do on the operating table, simply because we are not associated with the spectacle of Death, we fool ourselves with our irresponsibility.

"Many of the tragedies of the hospitals are due to the careless, metallic-inorganic past of dental practice."

PAST. Present. Future. Every-
one, everything,
must pass through
the hands of these
three great, analytical chem-
ists before they can be meas-
ured for that suit of usefulness
the angels wear. We have
written the inorganic past, we
are living the organic, active
present, and we are building the
speculative, biological future.
The past of dental education,
of dental practice and of den-
tists has been truly, smilingly,
metallic-inorganic. It rings
down the corridors of time,
under the pseudonym of
"Blacksmiths," and anywhere
on that journey at which time
is paused to allow our faces
to be recognized by fellow
travelers we felt the conscious-
ness of Mr. Jiggs. We could
only partially qualify in the
matter of wearing "silk hats."

But, fortunately, we ab-
sorbed on the road some of
Mrs. Jiggs' tireless ambition,
and while she still leads us,
Mrs. Jiggs, or "Mrs. Doctor,"
as she likes to call herself, is a
much better leader than she
used to be. We have a great
many of them in the State of
Virginia, who command very
high respect, professionally and
socially, who had only nine
months of training in a medi-
cal school—and it reflects great
credit upon her determination
to keep up with the times.

Abreast the times! Yes,
apparently, it is plural. There
are different times. Mrs. Jiggs
has been following the Kings
of Science, and we have been
following Mrs. Jiggs with one
eye open all the time for our
old corn beef and cabbage.
We just cannot resist the old
habit of slipping back to our
old haunts.

I used to salve my conscience with the argument that we contributed to the general happiness of the race anyway, that in this way we built a great monument of secret gratitude to dentistry, although we might not be associated intimately with the life and death of our patients.

I never made a greater mistake in my life.

Just because they do not die as Mrs. Jiggs' patients do on the operating table, simply because we are not associated with the spectacle of Death, we fool ourselves with our irresponsibility.

Many of the tragedies of the hospitals are due to the careless, metallic-inorganic past of dental practice.

We are now entering the active, living, organic present. We have arrived at the point from which we can see not only the road along which we came, but some distance on the road ahead, and thank God, it is at a slight tangent! We have at last something to do with the endo-skeleton as well as the exo-skeleton. We have at last come to realize that the result of the work we do has some active association to the normal condition of the rest of the wonderful machine handed down from God's Garden of Eden.

For a long time we played that we were real doctors, but we did not believe it until we came face to face with the manifestations of the ever-restless itch of scientific intelligence applied to root canals,

normal occlusion, surgery of the jaws and anatomical articulation. We may see how the fundamental sciences of Biology, Physics, Pathology, Anatomy, Chemistry and the whole basis of a medical education can be applied to the practice of dentistry and, praise the Lord, Mrs. Jiggs is also showing signs of willingness to be seen in our company—not eating corn beef and cabbage, however.

Mrs. Jiggs' place has been to reduce the best of what is known in any procedure, or method of treatment, to a routine, give it to a class of men to repeat over and over again and call it a specialty.

Mr. Jiggs took to this stunt like a duck to water. We just "painted the lily" in the water. When it comes to repeating the same thing over and over without change, or deduction, we receive a lot of applause while doing it too, if we happen to have a nice personality along with it.

But having learned the routine from someone else we deserve no more credit for the cleverness of repeating it than for our pleasing personality.

The addition we make to what is worthwhile is the only basis of credit and this is the type of dental mind I see standing out in the future. The real man—not the political "I am going to be president of the National" variety, but the man who can see early in life the difference between principles and paint.



The Obligations of the Class of 1923

By F. M. CASTO, M. D., D. D. S., Cleveland, O.

Dean of Western Reserve Dental School

"The sacrifices of teachers today constitute the greatest endowment of dental education, and those who make these sacrifices should be honored and praised for their unselfishness. Whether this additional cost of teaching the student was supplied by private philanthropy, by public taxation, or by the personal sacrifice of teachers, it was given gladly, but with the expectation that it would be repaid by each recipient in giving service to the public."

THE members of the Class of 1923 of the dental schools of the United States are better educated and better trained as a whole than the members of any class that has preceded it. Dental education and dental schools have greatly improved in the last decade, but the past four years especially have witnessed the fruition of this progress.

The four-year course, instituted in the year 1917, suffered

in its inaugural years by the exigencies of war conditions, but, by the autumn of 1919, when the class of 1923 entered, the four year course had become stabilized and effective, also the teachers in dental schools, many of whom had been called into military service, were, for the most part, back at their respective posts when the class of 1923 entered; thus the constructive and progressive policy of dental education proceeded without serious interference.

Since the class of 1923 has received more and better instruction, greater consideration, a more highly specialized scientific dental education, than any other class, very much more is expected of it, therefore, its members should pause to consider the many obligations and responsibilities which rest upon them. These obligations and responsibilities fall into many groups and may be considered from several phases, a few of which I wish to mention.

The dental graduate often fails to realize his obligation to the school from which he graduated. The establishment and conduct of a dental school has required much planning, much personal sacrifice, and a heavy burden of responsibility. The graduate, who, as a student, was conscious of his obligations to conduct himself properly and work industriously, when he becomes an alumnus, is under different but equally important obligations. All graduates owe it to their school to so conduct themselves in their personal and professional life, that no act of theirs shall cast any unworthy reflections upon their Alma Mater. An alumnus should make it his business to contribute continuously to his school in every possible way, and, if necessary, at some personal sacrifice. He should keep himself informed upon the activities, the progress, and development of the school, and above all things, should visit the school occas-

ionally and give it his moral support.

The greatest advance of a school can only be accomplished by the full co-operation and support of its graduates. Until this condition can be established and maintained, the most responsibilities will naturally fall upon the shoulders of a comparatively few, who, in many cases, as evidenced by the history of the past, have sacrificed themselves to the cause far beyond all reason and justification, which often resulted in the loss of health and in financial ruin.

In his profession he should so act that there will be no violation of professional ethics, and he should so serve his patients that all men will be able to point to him as a worthy product of the school.

The new graduate also has an obligation to the profession, which he enters. He must, if he is to be worthy, support its best interests, be they in education, in research, or in the practice of dentistry. He should support its organizations, join the local, state, and national societies, and, so far as his ability goes, contribute to the advance of dentistry. If, by reason of his better training, he is able to devise new and better methods in any phase of dentistry, he should at once contribute these to the whole profession, that the members of the profession may be better able to serve their patients.

The new member of the profession also has obligations

to the
realize
he pa
tuition
part
teachi
the co
by pu
public
more
recogn
person
ers, w
or non
their
ergy
were
them,
the pr
The
day c
down
and
sacrifi
and p
ness.
cost
was s
anthr
or by
teachi
but w
it wo
recipi
the pr
uate,
instru
(just
notes
himse
must
ethica
his p
also s
welfa
his ti
publi
he is

to the community. He must realize that when, as a student, he paid his relatively small tuition charge, he paid only a part of the cost entailed in teaching him. The balance of the cost was contributed either by private philanthropy, by public taxation, or, what is more usual and less often recognized, by the unselfish personal sacrifices of his teachers, who, for a meager salary or none at all, gave their time, their knowledge, and their energy to training men, who were not only to compete with them, but to succeed them in the profession.

The sacrifices of teachers today constitute the greatest endowment of dental education, and those who make these sacrifices, should be honored and praised for their unselfishness. Whether this additional cost of teaching the student was supplied by private philanthropy, by public taxation, or by the personal sacrifice of teachers, it was given gladly, but with the expectation that it would be repaid by each recipient in giving service to the public. Hence, each graduate, since he has accepted this instruction, owes to the public, (just as much as if he had given notes that legally obligated himself) a certain debt. He must discharge this part by ethical and efficient service in his profession, but he must also support matters of public welfare, and be ready to give his time, money, and energy to public service in any way that he is especially able.

The graduate of 1923 also has an obligation to himself, and that obligation is to keep abreast of the advances in his profession. These advances are more rapid now than at any time in the history of dentistry. The graduate of 1924 will be better trained than those of 1923. In 1925 will appear the first of the graduates, who, as a class, entered dental schools with a year of college work. They are going to be much better trained than the graduates of 1923. So the graduate of 1923 in his professional career is going to have very keen competition, and to meet this he must study.

School days do not end the period of study for the dentist. They serve only as an introduction, and the graduate should organize at once a very definite program of study, otherwise he is certain to drop to the rear in the rapid evolution and progress of dentistry. He must first of all take several of the best dental journals, and not only take them, but read and study them carefully. He must buy and study the new textbooks, as they appear, and in this study he should not restrict his interests to those things that immediately apply to his practice, but should also read and study the sciences and subjects, upon which dentistry is based, for, unless he keeps up in these fundamental sciences, he will be unable to understand and profit by the advances that dentistry is

going to make within his lifetime.

He must also attend dental meetings, local, state, and national, not for pleasure and good fellowship alone, but chiefly to hear the scientific discussions those meetings afford.

In a word, he must consider that he is entering upon a post-graduate course that will continue without vacations until the end of his professional career.


The graduate of 1923 must not be afraid of competition. His qualifications should exclude such fear. He should not render a service inferior to his best efforts because of a small fee. In this respect he should maintain the ideals which the school endeavored to place in his mind. It is only by giving the very best service in every case that the greatest success is attainable. His office should be equipped with the latest and best apparatus and furniture, should be clean and sanitary, and should be kept so. He should live clean, walk uprightly, and be courteous and considerate of his patients at all times and should be imbued with the idea or thought of always being just and fair to the members of the profession of which he is a part. His business relations with his patients should be definite, and beyond reproach, and should be based upon fundamental business principles. His fees

should be governed by the character of service that he is qualified to render. He should spend less than he makes, and invest his savings in sound, reliable, securities, and should keep in mind the establishment of a competency for old age. In fact, he should conduct his practice in a substantial businesslike manner, and his professional conduct should always be unquestioned.

The members of the dental profession at large welcome the graduates of 1923 into their ranks. We rejoice that you have had better training and more advantages than the times could afford when we graduated, and further rejoice that you are entering the profession during the era of its greatest advancement and development, and when the service that you are to render will be of the greatest benefit to humanity. We look to you to assist in the further advance of dentistry in all its phases, that you may be qualified as you come to more mature years to lead that advance. We expect you to have an altruistic aim rather than a purely commercial goal. We hope each of you enters the profession with high purpose and firm resolve to serve your profession, and the public, so that when your life closes the world may truly say it is the better for your having entered and served the profession.

The Oral Hygiene Activities of Various States

The series embracing reports of oral hygiene activities in various states will be resumed with the next issue of ORAL HYGIENE.



Commencement Day

By C. EDMUND KELLS, D. D. S., New Orleans, La.

"Upon the eventful day that his office is first open for business, he must remember that each and every desirable person in his community is at that particular time the patient of some other dentist. Such being the case—everybody having his own dentist—what are his 'chances'?"

THE boy first goes through grammar school, then through "high," and then, when at last he has passed his dental college exams, he gives a sigh of relief, as he thinks he "sees the finish" of schools and study and teachers, and just then his college dean springs *Commencement Day* upon him. *Commencement Day!* *Commencement* of what?

Commencement Day! The day upon which he emerges from his school and college days—a long period of protection and more or less of irresponsibility—and assumes the severest of responsibilities, and his life of *work and study* has only just begun.

And now he is a full-fledged dentist! No one but the physician—and I grant you the physician really has the more—has the opportunity of *serving* his fellowman as has the dentist. His is a wonderful opportunity of rendering real services

to human kind, and this will call forth all that is best in him. To relieve physical pain, to lessen mental suffering, to cheer the despondent, to improve and beautify the human face—these are his great privileges.

Again, upon that fateful Commencement Day, must he make up his mind as to whether he will be a drone, and never contribute one whit towards the advancement of his chosen profession—just reap the benefits of the toil of others—or be an active and tireless student and worker, and do something worthwhile for the benefit of his fellows in the profession, and the community in which he lives.

I would warn the recent graduate to beware of advice given so freely by the members of the so-called educational bureaus of mercantile houses. These men are *salesmen*, pure and simple, and cannot conceive of the aims and aspirations which should be the

ideals of professional men. The doctrine, as taught by some of these *salesmen*, that a newly-fledged dentist should only work six hours a day up to Saturday and only three on that day, is about as criminal advice as could possibly be given. As a matter of fact, he must know *no hours*, and be prepared to work early and late when occasion presents. It is far better to seek the advice and follow the leadership of the men who have made a success in their chosen profession, any of whom would be only too glad to help a younger man.

If, upon leaving college, he can become associated with some older man for a few years, it would undoubtedly prove greatly to his advantage, and here is where *hours* must not be considered. He must be ready and willing *at any time* to do whatever he may be asked.

Nor must he lay too much stress upon the pay he receives at this time, for no matter what it is, he will undoubtedly consider it too little, while his employer will probably think it considerably more than he is worth.

Should he, on the other hand, open an office of his own, he should bear in mind that this office should be furnished and equipped according to his means. Neatness and good taste should be his watchwords. An attractive reception room can be furnished at a comparatively small cost. His friends will not expect extravagances

from him at this stage. His office equipment should only include what is absolutely necessary for the accomplishment of good work, and here again *non-essentials* and *high priced articles* should not be bought unless they can be paid for, though it is perfectly "good business" to purchase "on time" anything that is essential. "When you *run into debt* remember that it is a *long walk out*."

Upon the eventful day that his office is first open for business, he must remember that each and every desirable person in his community is at that particular time the patient of some other dentist. Such being the case—everybody having his own dentist—what are his "chances"?

They are just as he, himself, makes them. Every person who "breaks away" from his present dentist, does so for some good and valid reason. Let him ponder over that fact.

Every person who comes to him does so for some special reason. Let him consider that well.

Every person who comes to him for a *while*, and then does not return any more, again has some good and valid reason for so doing; and this is well worth lying awake *o' nights* and pondering upon.

Success in any line is not "a chance." Success is the highest priced commodity in the world. The dental graduate must make up his mind that he will pay the price.



Drift and Leadings in Dental Education

By T. O. HEATWOLE, M. D., D. D. S., Baltimore, Md.

Dean, University of Maryland, School of Dentistry

"Twenty years ago the life of the individual was presumed to be wholly in the keeping of the physician. Today a different condition prevails, and the importance of the oral specialist is recognized more generally through a reference of patients by the former to the latter. This can have only one meaning—a co-partnership in the field of health; a dependence of one upon the other; joint responsibilities in special and particular cases; and all for the alleviation of sickness and for disease prevention."

THE present status of dental education and training is well calculated to call for a period of pause and meditation on the drift of incidents and their leadings.

Our profession during the past ten years has probably equaled any other in its progressive advancement during the same period. At the present stage of our development there is evidently a strong tendency to join up with the medical profession as a necessary health conserving agency.

Twenty years ago the life of the individual was presumed to be wholly in the keeping of the physician. Today a different condition prevails, and the importance of the oral specialist is recognized more generally through a reference of patients by the former to the latter. This can have only one meaning—a co-partnership in the field of health; a dependence of one upon the other; joint responsibilities in special and particular cases; and all for the alleviation of sickness and for disease prevention.

Because of the fact that

their interests and aims are so speedily converging and must sooner or later eliminate the barrier which has separated the two professions in the past, the question of just what co-ordination between the two can and should be made is sure to come up in the very near future. Indeed, intimations and evidence are not lacking at this time which tend to suggest that the subject is already being turned over in the minds of individuals and agencies having at heart the best interests for the future development of both medicine and dentistry, and putting each in its proper place.

A pronouncement on this point will give occasion for serious study as to methods and policies, and it is to be hoped that dentistry will not be found to be a laggard in taking hold of the problem and seeing to it that a sound and proper adjustment of its future status is wisely provided for.

The graduates of this year

are most fortunate in entering the profession at a time when the stage is set for bigger things in dentistry. Their training has been of a quality hitherto unsurpassed. This places upon their shoulders added responsibilities and duties which they cannot shirk.

On foundations laid they themselves must later erect the superstructure of their careers. This can only be done creditably by a continued application to study and service of a kind and comparable to, if not in excess of that displayed during their four years of studentship. Failing in such application, they are apt to find themselves in a mediocre position as compared with the output of later times.

Great things for dentistry are evidently in the offing, and may it later be said of the graduates of the Class of 1923 that they fell in line like "regulars" and kept perfect step in the march of eventful professional progress.

State Questions School Giving Dental Degrees

Indications that several schools teaching mechanical dentistry are giving diplomas and degrees to students without authorization from the Board of Regents or licensé from the State were given when J. T. Loesburg and his son, A. P. Loesburg, directors of the New York School of Mechanical Dentistry, No. 147 West Thirty-third street, were placed on trial in Special Sessions Court charged with violating the State education laws.

Assistant District Attorney Wilson said the accused men conducted the school, granted the degree of P. D.—prosthetic dentists, not recognized in this State—and offered in evidence ornate diplomas issued by the school—*New York Journal*



swings
let us
tain a
Som
radica
of it a
and a
the pr
It is
see su
the cu
to pla
dentist



A Balanced Dental Practice

By THOMAS P. RYAN, D.D.S., Minneapolis, Minn.

"A great deal can be done at the present time to maintain the respect and confidence of our people by counteracting the exaggerated promises which always appeal to a health-seeking public. Many of our people are sadly disappointed when they find that after undue experiment with many commercial concoctions, teeth still decay and they must visit a dentist anyway."

"Preventive dentistry holds a commanding place today and proffers an opportunity for intelligent education of the people. We can do a great work particularly among children, where we have a fertile field to get our best results. Perhaps few have done anywhere near what Fones has done, but his accomplishments mark one of the most brilliant chapters in dentistry."



ANY changes have taken place in dentistry during the past ten years, and as the pendulum swings forward and backward, let us hope that it will maintain a state of equilibrium.

Some procedures have been radical, but let us hope that out of it all will come much good and a general advancement of the profession.

It is gratifying, indeed, to see sufficient advancement in the curricula of dental colleges to place the preparation for dentistry on an equal basis

with preparatory training for other professions. It is greatly to be desired that the increased training and advantages given to the graduate of today will make him realize, as one of our public health officers has proclaimed, that the dentist is a "Doctor" and should take a place in the community to which his profession is justly entitled.

Let the new graduate with the training he has had grasp an opportunity which has been paved by the struggles of those who have gone before and maintain and upbuild for den-

tistry a place of dignity which it, perhaps, has never before occupied.

That place will not be maintained if you allow your opinions to be diverted by every technical and commercial fancy that comes to your attention, using your clientele experimentally rather than practising common-sense dentistry.

Oftentimes I think that the phrase *common-sense* should be substituted for the much abused, and yet very important, word *diagnosis*.

A great deal can be done at the present time to maintain the respect and confidence of our people by counteracting the exaggerated promises which always appeal to a health-seeking public. Many of our people are sadly disappointed when they find that after undue experiment with many commercial concoctions, teeth still decay and they must visit a dentist anyway.

Preventive dentistry holds a commanding place today and proffers an opportunity for intelligent education of the people. We can do a great work particularly among children, where we have a fertile field to get our best results. Perhaps few have done anywhere near what Fones has done, but his accomplishments mark one of the most brilliant chapters in dentistry.

Let us not become so over-enthusiastic in our conception

of preventive dentistry that we would forget all else, for, as Dr. Hart Goslee has written: "Until such time as that bright star of hope—preventive dentistry—shall have become a realization and not an Utopian dream, teeth will be lost, either because of failure to recognize and appreciate their value, or through the channels of neglect, disease or accident, or by virtue of the ravages of time and use, habits and food, and when they are lost, it is our duty and it should be our ambition to effect their replacement in such manner as will afford and insure the least injury to the remaining natural teeth and the greatest possible efficiency in the correction and restoration of function."

We solved pretty well the question of devitalization. We have been aroused and awakened largely through our medical confreres to the problems and results of focal infection. We have done great work in the correction of these conditions, somewhat radical at first, and now let us hope more conservatively.

In conclusion, let us be judicious and not adopt every new idea which presents itself, without careful scrutiny; in other words, let us make dentistry a well-balanced profession, marking time with the wheels of progress and not retrogression, but let it be in a manner which will maintain the admiration and respect of other professions and the confidence of mankind.



De
L

e
t
u
p
d
w
n



five-c
while
We d
tinue.

Let
Conze
where
of kid
gradu
he is
confer
of Den
of the
on if
gress
an ins

We
per ce
are ha
ment



Doctors of Health—Not Just Doctors of Dental Surgery

By GRANT H. SMOCK, D.D.S., Erie, Pa.

"There are a few young men who love God as expressed in Nature's work in the human body; they and they only are the men who just naturally can't help but succeed as physicians or practitioners of any of the specialties of medicine.

"A real dentist must function above the shoulders and in the cardiac region. Hands can work gold, and grasp money, but they do not make dentists."

WE keep graduating young men in dentistry each year in the hopes that, like Ed Howe's five-cent cigar, every once in a while we will get a good one. We do too. So we shall continue.

Let us recall Dr. John V. Konzett's address in Boston, where he proposes that instead of kidding a young man on his graduation day into thinking he is a learned Doctor, let us confer the degree of Bachelor of Dentistry, with the proviso of the Doctor's Degree later on if certain studies and progress are carried out. This is an inspired suggestion.

We must admit that ninety per cent of graduates feel they are hard-boiled on Commencement Day, with their future

plans devoted to dental outfits, matrimony, and limousines.

The false mental suggestions congealed around the Doctor's Degree paralyze most of us beyond help. It takes ten years to teach the rest that their best ten years have passed and they are now partially unfitted in capacity to progress.

Let us face a few embarrassing facts. Why do we choose dentistry anyway? A large number because they want to be professional men and be called "Doctor," and finding it a shorter course than medicine, hear a Divine Call to be *Doctors* of Dentistry. Some are driven to it by their sweet-hearts or parents. Some see in dentistry a chance to make money, and *these* do make it later on.

There are a few young men who love God as expressed in Nature's work in the human body; they and they only are the men who just naturally can't help but succeed as physicians or practitioners of any of the specialties of medicine.

Our real dentist has ideals, he sees a Star in the East. If not, he will be like the dead Irishman with a new suit of clothes on, "All dressed up and no place to go."

A real dentist must function above the shoulders and in the cardiac region. Hands can work gold, and grasp money, but they do not make dentists.

As dentists, many of us are really first class machinists and moulders in operative and prosthetic work. But, that is not all there is to our patient. He has lungs, heart, stomach, etc.—and a soul. There is more to it than manicuring and barbering him. If that is all, I can train an assistant to fill a tooth better than I do, or do any other mechanical detail better than I am doing it. I am a tooth-filling machine and a dull one if the teeth are all I see.

The greatest curse of dentistry is that we have been thinking we could learn it all in four years, and that it is easier to learn than medicine or law.

I submit that if practised intelligently, it is vastly harder to become a proficient dentist than a capable rhinologist, oculist, pediatrician, roentgenologist or neurologist. We must understand the mouth

in its relation to other parts of the body and in addition, we have the vast array of mechanical work.

Their place is higher because they are trained better. When we are trained to see a human body, not a tooth, a living soul with work to do, then our responsibility to that patient and our guidance of his health and working powers may be appreciated.

Let us try to see more than the elephant's tail or leg as the case may be—not see only a part for the whole. If we as dentists can be big enough to see the whole human body as an infinite entity whose splendor is appalling beyond human comprehension, we may after a few years grow big enough to see the souls of men, and socially be builders among men and thus attain to what the Romans, two thousand years ago, called "citizenship." Here is the part for the whole again. Every Southern darkey and naturalized foreigner may vote, but, to be a virile *cives* means we are big enough to forget our own little load, and help the widow, orphan and weakling and actually make the world better.

Our dear Dr. S. H. Guilford was an example of citizen and man. He pleaded for and looked forward to the day when dentistry would become a real true profession and dentists would sit in council with strong men because they were needed to move the earth.

Good dental mechanics work gold and porcelain well, good

fin
mor
en
to
tien
you
awa
mor
ticin
wan
bag
work
men
with

financiers fill their purses with money, but, if we are not big enough to dedicate our work to Infinity, to study our patient's health, to send our younger patients, in particular, away from our offices better morally, then we are not practicing a profession. Who wants to be merely a money-bag at best when there is big work to do, work that some men have been doing, and without which our very exist-

ence is a burden to Progress?

May the shadows of Hippocrates, Drs. Black and Guilford, as well as our living builders, such as Drs. Conzett, Gilmer, Brophy, Darby, and many obscure but devout builders, be an inspiration to me and the 1923 Class of dental students. May we all become real Doctors of Health, with the mouth as our specialty.

To Graduates:

The publishers of ORAL HYGIENE want you to receive the magazine regularly.

It is only necessary for you to provide us with your new address, mentioning the old address as well if you have been receiving the magazine at a different address.

There is no charge for the magazine to members of the dental profession.



On the Threshold

By CHARLES K. FIELD, D.M.D., Cincinnati, O.

Professor of Operative Dentistry, Ohio College of Dental Surgery

"Great strides would be made in dentistry if each dentist would criticise his own work just as severely as he criticises the work of others; we are all of us inclined to think that we are perfect and that no other dentist is really competent, whereas the truth is that the best of us frequently make mistakes, and these mistakes usually go elsewhere for further treatment.

Therefore I say: 'Have a little more charity for others and search diligently for your own shortcomings'."

AT THE request of the editor of ORAL HYGIENE I am going to do my best to write a few paragraphs upon the subjects suggested, which may possibly prove of some little help to the newly graduated dentist. The headings as suggested by Dr. McGee are Dental Welfare, Advancement of the Profession and Success as a Practitioner.

Dental Welfare

The first thing to do under this heading is to get a definite idea as to what dental welfare means; I would suggest that anything which will improve the teeth of the people as a

whole would come under this heading.

There are, however, various things in the science of dentistry which are factors in this field of activity; they all, more or less, come under the classification of oral hygiene; I think it well to recall to the minds of my readers some of the main subdivisions as follows: thorough prophylaxis, correct diet, all artificial restorations made in such a way that they are not sources of future infection.

At this point I would like to recommend the reading of "Focal Infection," by Billings, published by D. Appleton and Co., also "Oral Sepsis in Relationship to Systemic Dis-

eases
by C
book
T
in d
cure
ease
but t
dition
So
mean
is ho
of pe
the c
taken
clinic
duty
the a
stitut
This
recen
has n
than
and a
in hi
willin
increa
In
the
Child
those
bition
in thi
its va
The
ment
Healt
tal dep
is free
gressiv
need
found
offices
ries of
headin
ination

eases," by Duke and published by C. V. Mosby. Both of these books are highly instructive.

The most important thing in dentistry to-day is not the cure or the correction of disease and abnormal conditions, but the *prevention* of these conditions.

So much for the private means for welfare work; there is however a much larger class of people than those who visit the dentist; these masses are taken care of by the free dental clinics and it should be the duty of every dentist to help the advancement of these institutions whenever possible. This can best be done by the recent graduate, because he has more time at his disposal than the older practitioner, and also he is more up-to-date in his methods and is more willing to strive for his own increase of knowledge.

In Boston, Mass., there is the Forsyth Infirmary for Children; I would suggest to those of you who have the ambition that a year's time spent in this institution will prove its value in after years.

The United States Government is maintaining a Public Health Service which has a dental department; now this service is frequently in need of progressive men, and when such need arises a notice can be found posted up in the post offices and in the public libraries of the country, under the heading of Civil Service Examinations.

There are also occasionally vacancies in the Veterans' Bureau, for dentists who are qualified for the work.

A great number of cities have established free dental clinics for the poor, but from what I can hear there is always a scarcity of operators.

The best way to encourage this work is to enlist in these services. It is no hardship to do so, for in most cases there is an adequate salary attached to the position.

Advancement of the Profession

First and foremost, every dentist who has this ideal in view, should join his local dental society, the state society, and the American Association; this will give him an opportunity to exchange his ideas with his brother dentists, for it is a known fact that there is no one in this world who cannot learn something from everyone else.

This advancement can be carried on by every dentist by his strict adherence to the Code of Ethics as laid down by the American Dental Association.

As to the operations at the chair, I wish to say this, that if every dentist would insist that every operation which he performed should be perfect in accordance with his skill and to the best of his judgment, there would be no necessity of me saying anything about the advancement of the profession.

Great strides would be made in dentistry if each dentist would criticise his own work just as severely as he criticises the work of others; we are all of us inclined to think that we are perfect and that no other dentist is really competent, whereas the truth is that the best of us frequently make mistakes, and these mistakes usually go elsewhere for further treatment.

Therefore I say: "Have a little more charity for others and search diligently for your own shortcomings."

Success as a Practitioner

The roads to success are so numerous that it is impossible to give even an outline. If one makes a study of the successful dentists of this country, one finds that no two have reached their goal by the same pathway. The old saying applies here as it does elsewhere: "Some are born great, some acquire greatness and others have greatness thrust upon them." If you will substitute "successful" and "success" for "great" and "greatness" you will have the gist of the problem in a nutshell.

I will however mention a few things which are essential to success, as under:

1. Personal appearance
2. Office furnishings
3. Business methods
4. Personality

1. Personal appearance—Always be nicely dressed not expensively however; but shoes

should always be good, clothes well brushed and pressed at all times, white coats for office wear scrupulously clean; never allow your appearance to indicate that you are having a hard time making ends meet, but rather always radiate prosperity in everything you do.

2. Office furnishing—The office should be modern, convenient and above all, clean, for one of the first things by which a patient judges a dentist is his office.

3. Business methods—A dentist should always be business-like, have a place for everything, and keep everything in its place; this refers to instruments as well as account books; a tidy desk is one of the first essentials; always have a chart system of some kind to keep a record of all examinations, check up the work done, bills payable and closed accounts. The record of closed accounts is invaluable, for patients have the habit of returning after a year or so and complaining that your work has come out, whereas if you keep your records you will find that frequently it is another tooth altogether which has decayed, and the patient is innocently blaming you with the fault, whereas if you can show your record of the work done by you on that mouth, you not only do not have to perform an operation without charge, but you do establish yourself with your patient as a first-class dentist.



F

about
dent
1.
instr
rega
each
may
you
each
care
or in
Rem
has
or in
Irrit
and
to
oper
gins,



Five Suggestions to Graduates

By LOUIS OTTOFY, D. D. S., M. D., Chicago, Ill.

Editor *Standard Dental Dictionary*

"Take an active interest to co-operate with your confreres of the profession; there are now ample opportunities for the interchange of ideas, the cultivation of good-will and good-fellowship; and all is in the interest of your own improvement, of the development of the profession and thereby of genuine service to mankind."

IT is with pleasure that I comply with your request to say a few words to those who are about to enter the ranks of the dental profession.

1. Continue to follow the instruction of your teachers regarding thoroughness. Let each operation or service you may complete, be as perfect as you can make it; if possible each time more perfect. Be careful to leave nothing rough or irritating about the teeth. Remember that cancer often has its incipency in roughness or irritation about the teeth. Irritation of the tongue and and mucous membrane is due to defective or incomplete operations, such as rough margins, improperly inserted fill-

ings, inaccurately fitting dentures, incomplete removal of salivary calculus, and the like. Smoothness of inaccessible surfaces is equally important; leave no overhanging fillings or other imperfections on the proximal surfaces.

2. In practice be a conservative progressive. Follow that recognized procedure with which you succeed best. Be slow, but not too slow, to adopt new methods. There are ample opportunities to try new medicaments, new methods, new appliances, in public dental clinics, in research laboratories. Do not experiment on your patients who look to you only for that which is approved and has been tested, unless you have elsewhere determined

that the new is better than the old method.

3. Take an interest in children. That this is many times difficult, that it is often unprofitable from the view of immediate income, that I know. But here lies the greatest opportunity to be of real, lasting, progressive service to the community in which you live. If there is no provision for the care of the teeth of children in the schools, in hospitals or other institutions, try to have them establish dental clinics. This affords an opportunity to do good—to render a service of unlimited benefit to humanity.

4. Select some one phase of dental practice and make yourself master of it—no matter what it is, for nothing in dental practice, no matter how insignificant it may seem, is ever unimportant. The place where you locate, the people whom you are called to serve, may prove to be the determining factor. If it happens to be your fortune to be so situated that you are destined to insert many gold fillings, make yourself a master of gold operations; it is the most serviceable restor-

ation of lost tooth-structure,—and this is as true today as it was fifty years ago. If it so happens, that your lot is cast, where, in the main, plastics must be used, (and of these amalgam predominates), your disadvantage to use gold in preference is offset by the advantage of greater service to a larger number, and then it is important for you to be a master in inserting and properly finishing amalgam fillings. If again, it should be your lot to make substitute dentures, you will find a broad range for the development of your abilities, equal to any other. A well made, accurately fitting, artistic denture is the product of an active brain, as well as of hands trained to execute the artistic.

5. Take an active interest to co-operate with your confrères of the profession; there are now ample opportunities for the interchange of ideas, the cultivation of good-will and good-fellowship; and all is in the interest of your own improvement, of the development of the profession and thereby of genuine service to mankind.



which
receiv
it h
from
child
ers
gene
quite
from
is on
that
been
child
scho
grad
De
cons
chan
ist h
know
muc
vent
how
cern
pres
of re
cond
atten
child
seric
T
and
firm
dent



The New Graduate in Relation to Dental Welfare

By HAROLD DE W. CROSS, D.M.D., Boston, Mass.

Director, Forsyth Dental Infirmary for Children.



A FEATURE which appears to be fundamental to the dental welfare of a people is one in which general interest has only recently been displayed. While it has long been recognized from a social aspect that the children of today are the fathers and mothers of the next generation, this has not until quite recently been considered from a dental standpoint. It is only within a very few years that any special attention has been given to the teaching of children's dentistry in dental schools or to this practice by graduates.

Dentistry has heretofore consisted of such strictly mechanical features that the dentist has not needed any great knowledge of, nor has he had much need for interest in prevention. The present aspect, however, must definitely concern prevention and there is at present no more definite way of reaching this much desired condition than by very definite attention to the teeth of young children, before they become seriously involved.

This plan is not only logical and reasonable, but is confirmed by the very latest dental research work.

Practice confirms the idea that only by sufficiently early attention can most of the diseased teeth and the systemic affection caused directly or indirectly by them be prevented. The best way to treat a root canal is to fill the small cavity before the pulp is involved, which will lead to the need for treatment. It is the duty of the dental profession and especially of the present graduates to teach this to the public, and conversely to teach that teeth are too far destroyed to be safely treated when the tooth has become painful.

Dentistry is supposed to be a liberal profession, consequently must strive to eliminate the need for dentistry. The present graduate, by his more recent and comprehensive training, should appreciate this more than the older practitioners.

He should strive to make more advancement in the line of prevention than have his predecessors—to make preventive dentistry more of a reality.

In doing this, by giving more care and attention to small defects, rather to elaborate mechanical repair and replacements, he will not only add to the achievements of dentistry

as a whole, and will contribute not only to his own success as a practitioner of a liberal profession, but will from a human-

itarian standpoint add materially to the health and prosperity of the race and receive their blessing and appreciation.

False Teeth Bane of Orators From Vardaman On Back to Washington

Former Senator James K. Vardaman's defeat in the Mississippi primaries the other day, by reason of his inability to speak in the campaign, was due, according to an announcement in Southern newspapers, to the fact he could not get a set of artificial teeth to fit his lower jaw. Embarrassments of such a character are by no means uncommon in public and political life. If the late Lord Beaconsfield rarely spoke at length in his closing years, but contented himself with brief but nevertheless effective comments and remarks, always pungent in their satire and their irony, it was because of difficulty with his false teeth. They may in fact, have influenced his decision to abandon the familiar atmosphere of the House of Commons, where he was at his best, for the relative quietude of the House of Lords, in 1878.

Lord George Hamilton, younger brother of the late Duke of Abercorn, and ministerial colleague of Beaconsfield in several Tory cabinets, relates a curious tale showing the extraordinary presence of mind of Queen Victoria's favorite Premier. One night, when seated near Disraeli in the House of Commons, Lord George noticed his chief suddenly stop, while addressing the House, and carry his handkerchief to his lips as if to wipe them, a familiar gesture when he was in the course of a long speech. He then turned to Lord John Manners, afterwards Duke of Rutland, who was sitting beside him, and apparently asked him a question. Lord John failed to understand, and inquired.

"What is it?" "Oh ! it is all right!" replied Disraeli, and continued his speech, wholly undisturbed.

It was not until the following day at lunch that Lord George Hamilton learned what had taken place, from Alderman Lawrence, one of the members for the City of London, who sat exactly opposite Disraeli in the House. Lawrence declared in the midst of the most important part of Disraeli's speech the Premier's false teeth fell out. He caught them in his handkerchief, and deftly replaced them, while turning to Lord John Manners, then resumed his speech without delay, at the very words where he had left off.

Many great men have experienced similar handicaps, one of the most notable being the first President of the United States, whose eloquence was marred, in later years, by inability to procure properly fitted teeth.



The Dentist of the Future

By ANDREW J. BROWN, D. D. S., Washington, D. C.

Vice-Dean, Howard University College of Dentistry.

"If improvement in existing conditions is to be made it must be made by the young dentist, just entering upon his life work. He is unhampered by tradition, is not afraid of new ideas and methods and has the energy and courage to get out of the morass in which his elders are hopelessly bogged down. To him must we look to lift dentistry to a higher plane. To do this his ideals must be high."

AFTER years of divergence and misunderstanding, due entirely to the fault of the medical profession, medicine and dentistry are now converging and assuming their proper relations. This is due to the realization of the fact that no structure or organ of the body is independent of the rest and that disease in one part may depend upon infection in some remote part. The increasing understanding of focal infections as causative agents in disease has now broadened the province of the dentist and has made him an important factor in the diagnosis and

treatment of disease. No longer can he be ignored as a mere dental mechanic, whose sole function is to attend to diseased teeth and to replace missing ones. His domain is the entire oral cavity. In this connection it seems pertinent to inquire: Has not the time come to abolish the term "dentist" and to replace it by the designation "stomatologist"? If we have ophthalmologists, aurists and laryngologists, why not stomatologists?

The well educated dentist—or stomatologist—should know not only the affections of the teeth but also those of the

entire oral cavity. He should understand not only the influence of oral diseases upon the other organs and structures of the body but, conversely, the influence of general diseases upon the oral cavity. This implies a much wider range of knowledge than mere operative and mechanical dentistry. It implies an understanding of matters which have hitherto been considered as medical only.

What would be said of an ophthalmologist who would treat diseases of the retina without knowledge of the part that disease of the kidneys plays in their causation? Equally ignorant would be the stomatologist who would treat mouth conditions as a local entity and not consider their relations to disturbed metabolism and like conditions. He must have a comprehensive knowledge of all conditions underlying oral diseases. Just as in medicine proper preventive medicine looms large upon the horizon and bids fair to relegate curative medicine to a secondary place, so in dentistry the prevention of dental and oral diseases is assuming increasing importance. The wholesale extraction of teeth, so prevalent just now, is a reflection upon dentistry. It is axiomatic that most of these wholesale extractions could have been prevented by prophylactic measures in childhood.

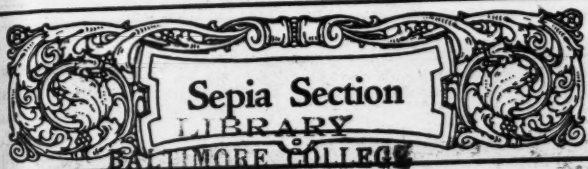
If improvement in existing conditions is to be made it must be made by the young

dentist, just entering upon his life work. He is unhampered by tradition, is not afraid of new ideas and methods and has the energy and courage to get out of the morass in which his elders are hopelessly bogged down. To him must we look to lift dentistry to a higher plane. To do this his ideals must be high.

I would plead, therefore, with the young dental graduate to consider himself something better than a dental mechanic. I would ask that he consider himself a man specially trained in diseases of the oral cavity. Especially would I impress upon him his duty in the matter of oral hygiene in children, with a view to the prevention of the causes leading to decay of the teeth and of pyogenic infections of the soft parts in their neighborhood.

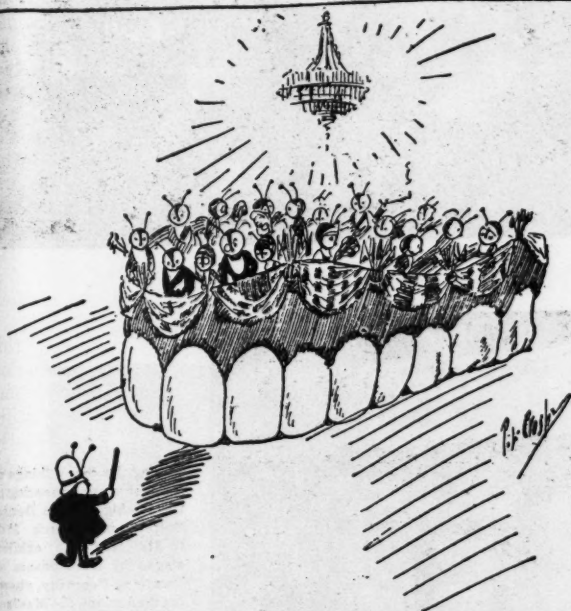
Not until he takes this higher view of his profession can he consider himself as one of the great body of scientific men who are striving earnestly to bring about a better condition of bodily health in the coming generations and whose motto is prevention rather than cure.

If the future dentist will consider himself in this light not only will the profession of dentistry reach a higher plane but its practitioners will be entitled to claim and maintain for themselves the standing of specialists in an important branch of medical science, viz: Stomatology.



— OF —
DENTAL SURGERY
The Kiddies' Bugtime Story

By PERCY CROSBY

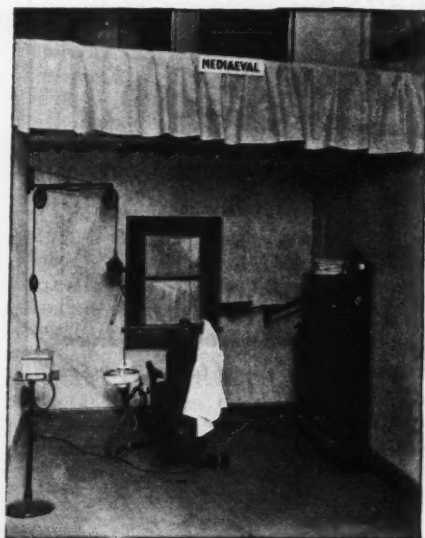
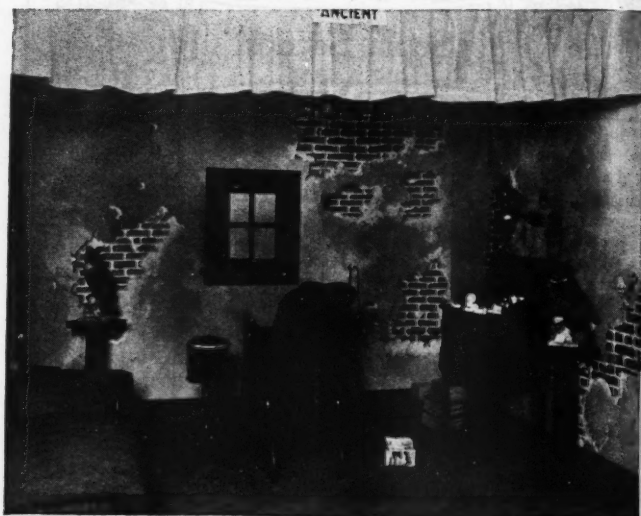


Bag-Cop: "Hey! What are you People doin' up on the Roof Garden?"
"Oh, Don't be stupid! Can't you see we belong to the Upper Set?"

2-2r

Courtesy Brooklyn Eagle

ORAL HYGIENE



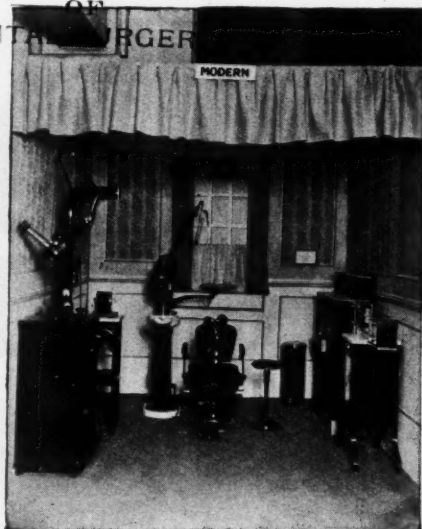
Among the many things of interest at the meeting of the Michigan State Dental Society on March 27th to 31st was this exhibit, staged by the Ransom & Randolph Company, showing the Ancient, the Mediaeval and the Modern Dental Office.

According to *Daily Dental Doings*, the live newspaper published during the meet-

ing, the
furnish
the sta
furnitu
having
Palmer
Mass.
looking
Palmer
outfit r
owis a

OF BRACKEN
BALTIMORE COLLEGE

DENTAL SURGERY

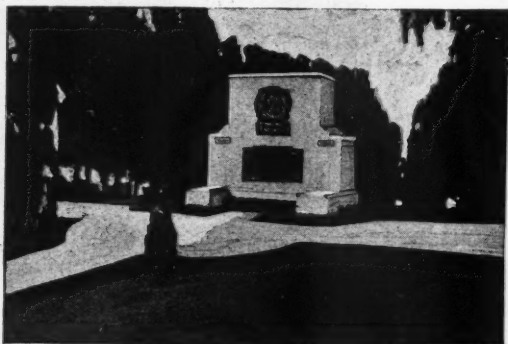


ing, the Ancient Office is furnished in keeping with the standards of 1840, the furniture and equipment having been used by Dr. Palmer, of Fitchburg, Mass. That was a noble looking "cussie" that Dr. Palmer used. The whole outfit must have given the owls a laugh.



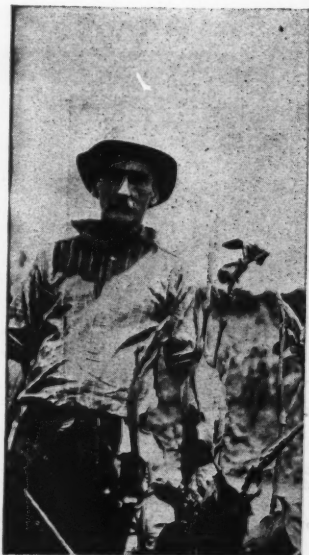
During the Michigan Meeting, which, by the way, was termed Detroit Dental Week, clinics were held in the window of a Detroit department store, attracting large crowds, at times necessitating police intervention. An editorial about the meeting appears in this issue.

ORAL HYGIENE



The proposed Morton Memorial and a close-up of the medallion depicting Dr. Morton.

(See editorial in this issue.)



Dr. Eugene Sims, of Winter Garden, Florida, prophylacting around his farm a bit. Mrs. Sims sent the picture to ORAL HYGIENE.

LIBRARY
BALTIMORE COLLEGE
OF
DENTAL SURGERY.



Habit De Chirurgien

A reproduction from the original in the collection of M. G. Viau, via the French dental publication, *La Semaine Dentaire*. In those days a dentist didn't need a cabinet, nor yet a dracket table.



WASHINGTON NEWS

A Supreme Court Decision of Interest to Dentists

By ORAL HYGIENE's Washington Correspondent



WASHINGTON, D. C.—The right of state examining boards to refuse licenses to applicants failing to meet the requirements of the state laws, even though such laws fail to state definitely what qualifications must be met, has been upheld by the United States Supreme Court in reversing the decision of the District Court for the Western District of Washington.

The case before the court involved the law passed by the State of Washington in 1893, providing that only licensed persons should practice dentistry. The authority to issue licenses was vested in a board of examiners, consisting of five practicing dentists; and it required that persons desiring to practice should appear before the board for examination. The only specific requirements were that the applicant be of good moral character and hold a diploma from a reputable dental college.

In 1921, case was brought against the King County prosecuting attorney by Leon Noble to enjoin him from proceeding criminally against Noble for practicing dentistry

without a license. It was asserted that the statute was void and that the board in administering it had exercised its power arbitrarily. It was admitted at the trial that the plaintiff met the requirements of good moral character and graduation from a reputable dental college, but he had failed to pass the examination given him by the board, which had then refused to issue a license, after which he had persisted in practicing dentistry. It was the contention of the plaintiff that the statute involved conferred upon an administrative board the power to exclude applicants from the practice of dentistry, in violation of the Fourteenth Amendment of the Constitution. The District Court upheld the contention of the dentist and declared the act void, issuing the injunction applied for, the case being appealed to the United States Supreme Court by the State authorities.

However, the Supreme Court holds in reversing the decision of the lower court, even though the State legislature in enacting the bill failed to provide for the meeting of any qualifications other

than those of character and education, "the statute provides that the examination shall be before a board of practicing dentists; that the applicant must be a graduate of a reputable dental school; and that he must be of good moral character. Thus, the general standard of fitness and the character and scope of the examination are clearly indicated. Whether the applicant possesses the qualifications inherent in that standard is a question of fact.

"The decision of that fact involves ordinarily the determination of two subsidiary questions of fact. The first, what the knowledge and skill is which fits one to practice

the profession. The second, whether the applicant possesses that knowledge and skill. The latter finding is necessarily an individual one. The former is ordinarily one of general application. Hence, it can be embodied in rules."

The State may put such general rules into law, the court points out, and make them the only qualifications to be met, or it may commit to an administrative board the task of conducting an examination. Whether the constitution of a State permits delegation to the examining board of the power to ascertain and fix the essentials of fitness, it is held, is wholly a state question.



A morning shoot by Dr. V. E. Barnes, of Saskatchewan. Some shootin'.



D. D. S. Deserves Delightful Summer

By JAMES ALBERT WALES.

IM NOT a dentist. Like Gelett Burgess's purple cow, I'd rather see than be one, and I'm not so keen about going to see one, either. I'm what a gifted writer in February ORAL HYGIENE called a dentee.

But I've seen enough of dentists to realize that they work continuously under a tremendous nervous strain during eleven months of the year, and that they deserve a real rest and the finest kind of sport and recreation and everything their souls crave, during the twelfth or, as it were, vacation month—usually August.

The D. D. S. wants a change—and he *ought* to get away from noise, from what Dr. Royal S. Copeland calls the neurasthenic accompaniments of city life, which “combine to exhaust the nervous forces and vitality.”

Probably every dentist at one time or another has yearned to bask in the soothing quiet of the tropics. But the tropics are too hot in summer and our hero can't get away in winter.

The answer is a sea trip to Bermuda. Last summer I ran into a small party of dentists on the way down there, really

wonderful fellows, and on the same boat were a flock of doctors, lawyers, school teachers,



and other professional people who can play and rest during the summer only.

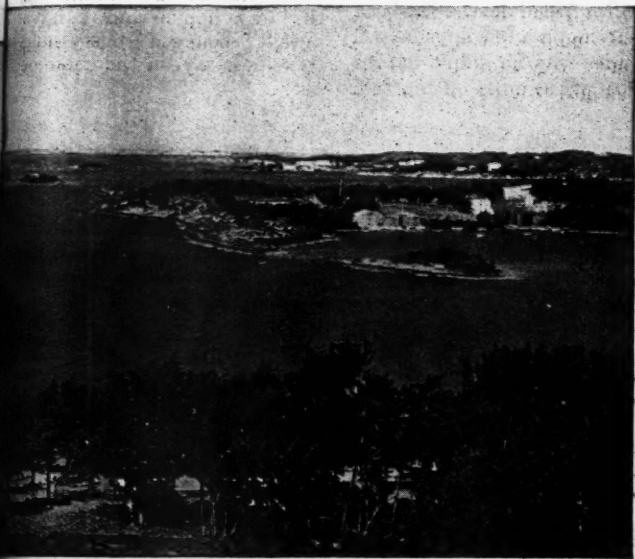
Bermuda solves the problem of the professional man or woman's vacation because it is as cool as New York during the summer yet, has the scenic charm of the tropics, the in-

descri
ers a
and
being
in th
entir
No
leys,
or d
frazz
thos
is 1

T
with
deg
Aug
mer
cool
nigh
hot,
nigh

described the life of exotic flowers and turquoise-tinted waters, and the unique advantage of being the only remaining place in the civilized world that is entirely closed to automobiles. No motorcycles, trains, trolleys, factories—no noise, smoke or dust. Really a paradise for frazzled nerves, as well as for those whose physical condition is 100 per cent plus.

is not in the tropics and is 700 miles north of the nearest of them. It is a group of about 150 islands in the Western Atlantic, 600 miles from the mainland. The 48-hour transformation from New York to what is really a foreign land, is as complete as it is delightful. The palatial liner lands you in a country that suggests a bit of Brittany,



The temperature varies within a range of only three degrees during July and August, and the equable summer average is 79. There is a cooling breeze all day and all night, every day. Actually hot, humid or muggy days or nights, are unknown. Bermuda

of Madeira, and of Old England.

The D. D. S. and the T. B. M. find Bermuda a haven of quiet, a wonderful spot in which to loaf and invite the soul.

But don't forget your golf clubs, tennis racket, or fishing tackle. Bermuda has two fine

18-hole golf courses with ideal club facilities available to guests of the hotels.

And there are fine tennis courts, 296 varieties of fish to catch, good sailing every day, the best surf bathing,—and riding, driving, cycling, and sightseeing among natural marvels such as multicolored crystal caves and translucent sea-gardens.

After friend dentist has been in Bermuda a few days he will wonder why he didn't tell his office girl to cross off ten or a

dozen more pages in his appointment book.

The friendly hospitality of the Bermudians makes it doubly difficult to get away—and when the entirely renovated D. D. S. returns to his practice he will have stored up a supply of pep and a resistance to nervous strain that will make his work once more a joy. At least that is what the dental boys told me last summer on the way home—and I have always believed everything these lads say, in the chair or out.

2,000,000 Kentuckians Are Seen to Lack Proper Dental Attention

Present shortage of dentists in Kentucky means that 2,000,000 persons in the State are without proper dental attention, according to representatives of the Jefferson County Dental Society and of the State Board of Health, who met here to arrange exhibits for the Health Exposition.

The 680 practicing dentists in Kentucky can care for only about 350,000 persons a year, averaging 500 each, while the State has a present population of about 2,500,000, it was said.

The situation is growing worse each year, according to the dentists, as the College of Dentistry is turning out fewer graduates, the school having about two-thirds the number of pupils in it that it had when the three-year course was operative.

Demands for graduate dentists are on file in the college from all portions of Kentucky, and the raised standards of teaching qualify graduates to start work immediately in sections of the State where the demand for dental attention far overtaxes the capacity of present practitioners, in the opinion of the physicians and dentists present at the meeting.—Louisville, Ky., *Courier Journal*.

Bolshevism Due to Teeth, Says Dentist

LONDON—Bolshevism is due to bad teeth, says Major Chapman Huston, one of London's leading men in the dental world. "I have never seen a Bolshevik with other than bad teeth," he said. "Proper care of the teeth obviates mental explosions which cause bolshevism."—Macomb, Ill., *Journal*.

DENTAL SURGERY.

Our Obligation

By R. R. BRYEN, D. D. S., Wilson, Pa.



HOW many young men are there who come into our profession, with a true conception of their duty—whose first thought and impulse should be to serve humanity? It seems, to me, that the chief concern is making a livelihood—the duty to take care of itself.

It is quite impossible for the average young graduate to realize the full significance of the professional and moral obligation which he assumes at this time.

In serving humanity, the pleasures of your profession will be manifested from every angle, your task will appear lighter, your remunerations will be more satisfying, and, above all, you will be happy with your profession.

Dentistry offers opportunities today that it never offered before. Do not become frightened at that old saying: "Experience is a hard and cold teacher." Adapt yourself accordingly and strike on. Affiliate yourself with your local and state societies. When in doubt about a case in your office, consult your professional brother. The right kind will be only too glad to co-operate with you. His advice will save you many hours of worry and discontent. Remember,

he will feel it a professional duty to see that you are successful.

He knows that the path you must follow has been worn smoother by the hard and steady grind of men who have gone before you. He knows and realizes the intricate problems with which you will have to contend.

He expects you to be honest in your convictions. He expects you to be as ethical in your dealings with the profession, as he is himself.

When one studies the ideals of the sturdy old pioneers who placed the profession of dentistry on its feet and gave it a professional status in the eyes of the world, one is impressed with the dignity and loftiness of their ethical bearing. In fact, one wonders at the feeling and forced position of the man who remains unethical.

Young graduates, the profession welcomes and accepts you. We wish you success. May your life work in dentistry embody all the good things to be had.

To quote the words of the late Franklin K. Lane: "To know what we have and what we can do with it—and what we should not do with it, also!—is a policy of wisdom, a policy of lasting progress."

Pages from the Diary of the Modern Dental Samuel Pepys

He Attends the Atlanta Mid-Winter Clinic

By SAMUEL PEPYS, Jr., D. D. S.,

CHAPTER I

YOU have never attended a real dental meeting unless you have been so fortunate as to participate in one of the Mid-Winter Clinics at Atlanta, Ga. I was there last year and I could not resist the temptation of going again this year. Those who read Pepys' stuff I guess are wondering how I can attend so many meetings. I will let you in on the secret. I don't take a vacation and I figure the time spent at a dental meeting a good vacation, in addition, a profitable one, as I like it better than to go up into the mountains or to some seaside hotel where I get no accommodations and am compelled to converse with a lot of folks about the particularly good features of their home town, etc.

My patients give me all of the public that I care to come in contact with, as I enjoy a clientele who are educated, and refined, and read and converse on those subjects that tend to elevate and not degrade the mind. I enjoy them and I don't know how they stand for me,

but, keeping my reading matter confined to the things that are worthwhile, I make the grade.

My interest in dental meetings is not only to keep me informed but to improve my work; as Emile Coué outlined in his work, "Day by day, in every way, I am getting better and better."

I have been under the weather with a mild attack of flu, so I stopped off at Cleveland to see an M. D. to have him look over me again, as I go through a physical examination once a year and I find it a good thing to take stock of yourself. He pronounced me O. K. so I strolled over to see Weston Price as he was located in the neighborhood and we had a visit. My next point was Louisville to see my sister and while there dropped into the Stark's Building to see Drs. Tilesen and Burgard.

The latter straightened me out on some of his work given at the Chicago meeting and I saw as many of the Louisville boys as I know. There are a lot of fine fellows and good dentists in that town.

LIBRARY
BALTIMORE COLLEGE DENTISTRY

OF

I was surprised to learn from Williams that Frank Rounds is now located in Boston. He was brought down to teach in the Louisville school by Grant and was originally from up in Maine and I believe was married to a Boston girl. Well, Louisville lost a good man when he kicked the dust of that town off his heels.

Williams told me that he had spent a lot of time with Winter in St. Louis and had become proficient in the execution of the impacted lower third molar technic that has been so highly developed by that master. I know what he can do as that clinic I saw him give in Milwaukee was enough evidence that no more of these birds are going to chop around on one of my patients for a couple of hours.

Well, if Boston is so fortunate as to get this man Rounds, and as he is a man of natural ability, if he can be appreciated up in Boston, I am sure the town is to be congratulated.

From Louisville to Nashville to visit my friend, Boyd Bogle, one of the most charming and capable men in the South, and how all of the men in Dixieland love him and they should, as he doesn't camouflage or try to tell you how good he is, but is ready to impart all he knows in a manner that gives you a stimulus and you resolve to do better work.

Vanderbilt Dental School closed and the Alumni of that

school had a meeting and said: "We will continue if we can have Boyd Bogle as dean." He was compelled to accept and has a good faculty. Why don't they make men like him president of the National, instead of a lot of gum-shoe politicians?

On to Atlanta and direct to the Ansley Hotel—I don't know why they changed, as they always held the meetings at the Piedmont.

Now, this is not a regular dental meeting, such as one can see conducted over the country, but is confined to a limited number of men who are interested in the progress of dentistry. You don't walk into the meeting and show your American Dental Association credentials and get admitted.

About two or three months in advance of the meeting the committee formulates their program and are careful in the selection of the clinicians and the clinicians are usually of known ability. They don't just invite a fellow because they like him or for some political reason want him in that section of the country but he is asked to participate and clinic on his merits.

When the program has been detailed, announcements are then sent out to the dentists in Georgia, Alabama, Mississippi, Florida and North and South Carolina. With the announcement is a card informing the individual that the attendance will be limited to three hundred and that a

check of \$15.00 should accompany the reservation and in forty-eight hours after the announcements are sent out the three hundred men have been registered and no more are accepted. As I live out of the vicinity of Atlanta I did not receive an invitation but I was shown the courtesy of being extended the privilege of attending the session after a little chat with Tom Hinman, F. W. Foster, and Delos Hill. They made an exception in my case and I certainly am thankful to the individuals mentioned.

The meeting starts promptly at 10 o'clock in the morning and when they say 10 it doesn't mean 10:30, 11, or 11:30 but promptly at 10 o'clock with a general assembly. In the chair was Dr. J. Russell Mitchell, a capable president of the 5th District Dental Society. The clinic master, Dr. Thos. P. Hinman, after the sky pilot gets through with his usual introduction, then outlines the plan of the meeting and imparts the information that the clinicians will start on time and those in attendance must be there on time as the doors are closed on time and no one is admitted to the clinic after the clinician has started.

In addition, no one is to talk to the clinician or disturb him during the time he is presenting his work—until such time as the clinician desires. All of the clinicians are then introduced to the general assembly, and then

the first clinician gives a detailed lecture on the clinic he is going to give, illustrating with lantern slides.

The first introduced to present his work was Dr. K. W. Knapp, of Des Moines, Ia. He presented a modified cavity preparation and a standardized casting technic for gold inlays. The general trend in the dental profession at this time is toward standardization of technic, which, when applied to dental procedure, would be ideal. Black standardized our cavity preparation and a great many other men have standardized other operative procedures in dentistry that have made it possible for us to eliminate a great many unnecessary procedures. I wish someone would standardize the interpretation of the X-ray. You show an X-ray to a group of dentists and no two agree on it. It would be a sort of pleasure to have our patients, who have X-rays made, get the same interpretation from everyone they consult, but the many variations in the opinions expressed on the interpretation of an X-ray leave the patient in a quandary so that he never knows what avenue to pursue.

Dr. Knapp showed quite a number of good modifications for the preparation of cavities but we never can get away from extension for prevention. It shows that he has been schooled in that location where the men as a whole do good cavity preparation. One who

has
dent
the
Blac
wher
Blac
velop
Con
Voll
cann
thes
doin
D
tion
close
diti
the
burn
and
used
plac
he
lays
on n
and
insi
plic
his
it—
in a
app
sho
the
tive
V
fro
ern
the
A
we
tha
Dr
Ch
ple
wh
Ch
his
m

has never seen the beautiful dental work done in Iowa by the men that had taken up Black's cavity preparation when Wedelstaedt had that Black Club—which club developed such operators as Konzett, Woodbury, Watts, Volland, Werk, Finn, etc.—cannot appreciate the work these men have done and are doing.

Dr. Knapp's standardization of casting technic comes close to meeting an ideal condition, especially relative to the preparation of his wax, burning out his wax pattern and the investment material used. That the inlays go to place is evident by the work he demonstrated. Often inlays are shown that are made on models outside of the mouth and couldn't be duplicated inside of a mouth. The simplicity of the preparation of his cavity as he has outlined it—and the wax pattern, and in addition, the burning out, appealed, and very few failures should result. His work, on the whole, was very instructive.

We adjourned to luncheon from 12 to 2, and that Southern hospitality was all over the dining room.

At 2 p. m. of the same day we assembled again to hear that able porcelain worker, Dr. George Thompson, of Chicago, Ill., whom I had the pleasure of listening to and whose clinic I watched at Chicago. The Doctor detailed his preparation for the abutment of a jacket crown and

the many changes that have been brought about in the preparation of the shoulder which has, of course, seen a very marked improvement—and the mixing of the colors in order to obtain such ideals; and, like the work of Dr. Knapp, it has been standardized. One would be color-blind if he didn't get the result as Dr. Knapp outlined it.

My original porcelain work was started under the direction of Dr. Custer, of Toledo, Ohio, who designed the Custer furnace and I have been in close contact with the porcelain end of the work ever since and it is the most surprising thing to me that more men do not take up porcelain work.

I think the original trouble that we had with our furnaces and our porcelain—in not being able to get the proper shade, and in addition, the strength that we have in our porcelain work today—accounts for this condition. There isn't anything prettier and nothing shows the real artist in a dentist more than a beautiful porcelain jacket crown; I know from the technical procedure which he outlined at this meeting, that good results can be obtained.

He has taken up in detail some of those little things that cause us so much grief and I am sure that all those in attendance who do porcelain work carried away a great deal of original information.

The Mortonson Brothers, of Milwaukee, were the next on the program. I have known both of them for quite a number of years. They formerly practiced in Iowa before they located in Milwaukee and as I attend an Iowa meeting occasionally I have been in rather close touch with them for quite a number of years. It is rather unusual to see two brothers share their practice and in addition participate in clinics, but the team work is the best that I have ever seen.

Their presentation was on inlay and bridge restoration. They have not confined their energy to one particular branch of bridge work but have on the whole taken all the good in all bridge work and have, beyond a doubt, proven that certain types of removable bridgework have their place when intelligently used.

It has been my privilege to see a great many types of beautiful bridgework abused by a lack of fundamentals in the construction of the work. Their entire energy was given over at the meeting to showing the proper fundamentals. The matter of stress plays a very big part in bridgework and it has so often occurred to me that engineers would not undertake the construction of a bridge before they thoroughly analyzed the foundation upon which the piers are to rest—and how many bridges are made without a due re-

gard for the stress that is placed upon the abutment and without any preliminary examination by means of radiographing to determine how much of a load the abutment will carry. And bridges are made without due regard for the occlusion and the traumatic injury which may result from an improperly constructed bridge.

That dentistry should be blessed with such capable dentists as these two brothers is a real treat to us all: to know that they are encouraging the men in attendance to do a better type of bridge work.

Last year at this same meeting they had a good man from St. Louis named J. D. White and he gave us the principles of stress breaking and a type of an attachment that I have since used that is one of the most practical forms of attachments that I have used. He had a thorough understanding of the part that stress plays in a bridge and particularly condemned large restorations. His clinical demonstration was along the constructive line and not like those that I have so often seen where a clinician is limited in experience and his ideas may be good but have not stood the test of time. I am going to pay him a visit some day to see more of his work as he invited me when he was down here last year.

(To be concluded next month)



"W



brough
year ol
pose o
molar
an acu
short t
I flat
saying
be mac
able t
and so
have t
extract
teeth v
finally
advice
filled,
ment f
when
city fo
She
I spen
hours
tempt
condit
time
piled,
compl
point
follow
was a

"When Skating Over Thin Ice, Our Safety Lies in Speed"

By C. EDMUND KELLS, D. D. S., New Orleans, La.



IN a bright and beautiful day in November last, a lady, who lived in the country, brought in her little sixteen year old daughter for the purpose of having a first lower molar extracted, it having had an acute abscess upon it a short time before.

I flatly refused to extract it, saying that an attempt should be made to save such a valuable tooth. She demurred, and so I told her that she would have to go to an exodontist, as extracting good and useful teeth was not in my line. She finally concluded to take my advice and have the tooth filled, and made an appointment for the following Friday when she would return to the city for the purpose.

She came. On that day, I spent one and three-quarters hours in an almost futile attempt to get the distal root in condition to fill, and when the time reserved for her had expired, not much had been accomplished, so another appointment was given for the following day. It certainly was a hard case.

Late that evening, she phoned that the tooth was aching, so she was instructed to apply slippery elm poultices in the mouth and go to bed with antiphlogistine on her face, which gave some relief and she slept well.

However, at the appointed hour, she returned with her face slightly swollen, tooth sore on pressure, and she felt rather "uncomfortable all over." This surprise rather made me feel "*uncomfortable all over*" too, but I did not happen to mention the fact.

"When skating over thin ice, our safety lies in speed." *Good maxim.*

I blocked the nerve, got busy, and it took me a whole hour to cleanse and fill the distal canal only. Some slow work, but the finished root canal filling, when completed, appeared rather satisfactory upon the skiagraph, and that was worth something.

A leech was then applied, after which the little patient was sent home—no, not to her country home, but the home of her aunt in the city with whom she was staying, because for reasons which are

self-evident, I would not let her return to the country that afternoon, which she had planned to do.

That afternoon, and again in the evening, poultices were applied within the mouth and antiphlogistine put on her face when she went to bed.

Early the next morning, the mother phoned me that the little girl had not suffered a bit since she had left the office, and was "feeling fine." There-

fore, I let them take the eleven o'clock train for home.

The following Saturday she returned by appointment, when the mesial root canal was opened up, cleansed and filled with no undue after-effects. Once more she returned home and that closed the incident as on the following Monday the mother wrote me that the little girl was all right.

So much for speed when skating over thin ice.

U. S. Dentist Fares Ill In Red Russia

Formerly Served Grand Duke, But Fell to Scrubbing Floors

By International News Service.

SYRACUSE, N. Y.,—From Hammond, St. Lawrence county, New York to Moscow, Russia, and from personal dentist to his serene highness, the late Grand Duke Michael, to scrubman in a communist theater is the plight of J. William Lambie, native of Hammond.

Today the dentist's sister Mrs. S. Carloa McLennan of this city, is moving through the state department for the return of Dr. Lambie to the United States. Losing his passport, his only proof of American citizenship, Dr. Lambie was imprisoned in a Russian jail for months.

Cut off from communication with his relatives here, word of Dr. Lambie's fate eventually reached the Syracuse sister through Frederick C. Keyes of Elyria, O., who escaped from Russia some time after the soviet assumed control.

Dr. Lambie graduated from the dental school at the University of Pennsylvania 33 years ago. Soon after graduation he left for a vacation in Europe. Reaching Moscow he saw professional opportunity promising there, remained and married. As the years rolled by he amassed a fortune of \$300,000.

As personal dentist to the grand duke his future, financially and otherwise, was apparently assured. Then came the war and finally the downfall of Russia's imperial government. The soviet government moved swiftly. The American dentist's fortune, his home and his offices were confiscated.

Then finally his citizenship papers disappeared. The communists threw the dentist and his wife into jail. After his release, with his health shattered and his funds gone, he was forced to accept work as a scrubman in a Moscow theater.

Dental Clinic For Plant Employees

A dental clinic for all Overland employes has been established by the Willys-Overland Company at its company plant. Bad teeth, the company says, cause a large percentage of the illness in a working force. And the company says good teeth mean better quality in motor cars.—Rochester, N. Y., *American*.



Bow, Alumni, to the Graduate!

By REX N. DOUGLAS, D.M.D., Elkhart, Ind.

"Dentistry is a progressive science. The young graduate of today will witness changes in its advance that are, today, not even thought of. The field of service is growing broader and broader until we are fast approaching in importance our sister profession, medicine. Opportunity for research was never greater. All this implies that if our progress is to be continuous, we will need leaders and many of them."

IT is rather a singular honor to be called upon, as I have been called by Dr. McGee, to convey a message of encouragement and advice to the members of the graduating classes of our dental schools. It is not only an honor; it is a responsibility and I hesitate to assume that responsibility while there is many another more experienced and better qualified than I.

It was but a few years ago that I found myself in the very same position that the graduate of 1923 is finding himself today, and that time has not been so far removed that I do not well remember the hesitancy and the uncertainty with which I faced the future, fortified only with a sheepskin and its implication of knowledge.

That word "knowledge" holds forth hope to the graduate. Without it he will fail; with it he may make of himself what he will. Regardless of it a few unalterable precepts must be adhered to if he hopes to succeed in his chosen profession.

As students, you were associated together in the study of dentistry and were all working toward one end. The greater accord with which you worked among your fellow students and instructors, the more binding and lasting became your fellowship with them.

Now, what does fellowship mean to you as future dentists?

You are about to separate, many of you never to meet again. The friendships formed in school will, in many cases, become only memories. Yet, if you have acquired the spirit of fellowship, you will carry it

with you wherever you may go. In your new environment you will come in contact with new professional brothers, you will want to gain their respect and friendship—likewise that of the citizens of the community in which you reside. For what man can hope to make a success of his business without the help of other men as friends and fellows?

Ours is a profession of which we can well be proud, but it is only through the efforts of every individual that we can, professionally, command the respect of the citizens of every community. Nothing should ever be done to debase the dignity of our profession. For this reason the code of ethics—in main an enlargement of the Golden Rule—should be familiarized and rigidly adhered to.

Too often the student thinks, after graduation day is over: "I have spent four years in studying and plugging. Now that I have my coveted sheepskin I never want to see a book again."

This thought is expressed, as a rule, only in a momentary feeling of relief and is not meant seriously. Cessation of college activities does not mean that studying should cease. Quite the contrary; the graduate should realize that he has but a smattering of professional knowledge and only a foundation for future study.

Our dental magazines and literature offer us every opportunity to advance with the profession and should not be

purchased merely to be thrown in some obscure corner for the dust to collect upon.

The value of the dental society to the young man can not be over-estimated. It offers him the one means of bringing him into contact with the progressive leaders of the profession—men who are continually striving to place dentistry on a plane where it rightly belongs.

In his treatise on "Letters and Social Aims," Emerson says: "If we encounter a man of rare intellect, we should ask him what books he reads." It is not expected that we, as dentists, should be of rare intellect, yet, in respect to the profession which we have chosen, we should be men of more than average intelligence. Reading is to the mind what exercise is to the body, and it is through reading of good literature of every kind that we grow and broaden out intellectually.

Dentistry is a progressive science. The young graduate of today will witness changes in its advance that are, today, not even thought of. The field of service is growing broader and broader until we are fast approaching in importance our sister profession, medicine. Opportunity for research was never greater. All this implies that if our progress is to be continuous, we will need leaders and many of them.

Welcome, you graduates of 1923, for out of your ranks will come our future leaders!

Editorials

REA PROCTOR McGEE, D.D.S., M.D., *Editor*

212 Jenkins Building, Pittsburgh, Pennsylvania

The Editor welcomes manuscripts and will take best possible care of any submitted, but cannot be held responsible for them. Manuscripts should be accompanied by self-addressed stamped envelopes. Typewritten manuscripts are preferred and should be double-spaced and written on one side of the paper only.

We Welcome You



YOU new graduates are coming into the profession of dentistry at a time when dentistry has more to offer than ever before in history. You are welcomed because we need you and the country needs you.

You are welcomed because you are the best prepared class that has so far been produced.

You are welcomed because we realize that you must have had a very deep interest in your chosen profession to pick dentistry in a day when every other calling was reaching eager hands in your direction.

You will find that life is what you make it—there is a place for you that exactly suits your abilities but you must go in and take it.

Be aggressive, but be just and fair. Whatever is worth having is worth going after.

Join your local state and national organizations. Don't worry about the little things in the societies that you do not like—fix your attention on the big things that the societies are capable of doing.


If they don't do all that they should, there is your opportunity. You say, "We young fellows will never get a hearing." Oh, yes, you will—just put in a word now and then that has behind it careful thought and honest purpose and before you know it your opinion will be asked.

Intensive organization is necessary. To all organizations there is some objection but in Chaos there is an end of Progress. Do not let yourself be blindly led, but on the other hand, try to realize that leaders usually have some good qualities whether they show or not; also remember that you will live to see all of the present leaders in the discard, whether they deserve it or not.

Some of you new graduates are destined for big things. Don't destroy your chances by neglecting to identify yourselves with the big forward movements that are under way.

For this issue of ORAL HYGIENE many of your well-wishers have written their advice to you. Read their remarks carefully. They are men who have broad vision and wide experience and the things they have to say to you are of the greatest importance.

National Dental Week

HE biggest idea of the big meeting at Detroit in March was Detroit Dental Week, a week devoted to the teaching of oral hygiene by publicity of every description

—newspapers, taxicabs, radio, public addresses, clinics, exhibits and personal conversation with the laity by hundreds of dentists.

Many movements in this modern world have been greatly advanced by the intensive effort of their supporters to reach the public during a certain week each year.

It remained for the very progressive dentists of Detroit to launch Dental Week in that energetic city.

Everything in town that moved or stood still was placarded with dental week information. One big department store had a prophylactic clinic running in its front window. Speeches—exhibits open to the public—radio broadcasting—every known method of publicity was called into play. It was a great idea, so great in fact that it should be at once adopted by American dentistry as a national institution.

Just think what can be accomplished by educating America to care for its mouths if we can get every big and little dental society and every dentist, dental assistant, salesman, laboratory technician, dental hygienist, school nurse, everybody connected with dentistry, interested in dentistry, to combine their efforts for one week each year the in great effort to carry the message of good teeth, good health to the eager ears of our great population.

We should at once organize an association known as the National Dental Week Association or the Dental Welfare Week

Association where one object will be to organize and co-ordinate dental activity for that great effort each year.


This would be a very busy association because the other fifty-one weeks would be spent in organizing local oral hygiene committees in collecting and teaching oral hygiene facts, in encouraging greater numbers of interested men and women to become public speakers in this work, in organizing radio programs, in seeking out and adopting ever-new fields of publicity.

Let us do it—it is the biggest idea yet.

Write to this magazine and tell us what you think on this subject.

We are for it four square.

The Monument to Dr. Morton

T is fitting that a monument should be erected to the man who first gave anesthesia to the world. If every person now living who has benefited by the discoveries of Dr. Morton would contribute one red cent towards his monument, it would be higher than the Woolworth Building.

The world is full of monuments to those who have caused the death of untold numbers of people through military operations, but this monument to the man who has probably saved more lives than any other will probably be a very modest affair.

I believe that not only the professional

men of America but all of the people in this country who have taken an anesthetic and all of those whose friends and relatives have been saved the pain and suffering of necessary surgery through the benign effect of surgical anesthesia, should be called upon to contribute to this monument.

The letter from Dr. Alonzo A. Bemis is published in order to give it wide circulation, and we hope that not only the members of the dental profession, but the members of the medical profession and all surgical patients, will have this memorial brought to their attention and that they will contribute at least a little to show their debt of gratitude to Dr. Morton.

Here is Dr. Bemis' letter:

We are working for a monument that will call for three thousand five hundred dollars. We have raised about seven hundred and have a pledge for five hundred dollars.

Much of the success of the medical and dental professions is interwoven in the wonderful discovery of Dr. Morton which was a stepping stone in the great progress of the early healing art.

We are very anxious to be financially able to sign a contract for the proposed monument so that the monument may be dedicated Labor Day 1923. Any further information you may desire we will be only too glad to furnish.

Will you join with us in the enterprise and help as your circumstances allow? Lest we forget? Do it now.

ALONZO A. BEMIS,

Spencer, Mass.

Secretary Memorial Committee.

Problem of Dental Registration in Australia



THE X-Ray, which is the official organ of the Dental Association of Victoria, Australia, presents the following account of the

danger that menaces the practice of dentistry in that Continent.

To the Registered Dentists of Victoria:

Are you aware that your profession is again in jeopardy of being dragged down as it was twelve years ago, when some 300 persons were admitted to practice Dentistry without any proper qualifications? *The Board promised there would be NO Recording on that occasion.*

The Dental Board of Victoria has asked the State Government to pass an Amending Act in order to prevent British Dentists obtaining registration in Victoria.

Hordes of unregistered persons are about to be registered as Dentists in Great Britain by a special Act of Parliament. This Act has been expected any time during the last 15 years.

As usual, our custodians in Victoria—the Dental Board—are proceeding to close the stable door after the horse has bolted, and we have been lulled into a false sense of security by being told we have “the best Dental Act in the world.”

After full and proper consideration of all the facts, viewed from many aspects, the Association is fully convinced that the remedy course proposed by the Dental Board is a most hazardous one and will eventually land us in a position, in comparison with which our present one, unsatisfactory as it is, would be paradise. As a result of our investigation of the matter we would advise the Dentists of Victoria not to act along the lines proposed by the Dental Board (the extremely dangerous proposal to open up the Act in addition to amending it) but to take no action whatsoever and put up with our Act, (such as it is) in the hope that the blunders, etc., of twelve years ago will not be repeated.

These rights do exist, and were given under Act of Parliament at the wish of our Pioneers in Dental Legislation.

Will Parliament take these rights away?

Parliament will take some convincing.

All the arguments used in the British Parliament will be used in our State House by those opposed to the Amending Act.

Further, the Recorded persons and present Mechanics will use the same arguments to influence Parliament to register them as Dentists, as was used in the British House of Commons.

That the Recorded persons are organized and are working for registration without any educational test, is very evident from their recent deputation to the Dental Board, asking to be registered as Dentists, and pointing out to the Board under which Clause they have the power.

We must remember how the Dental Profession of Victoria was betrayed in 1910 by those in power.

About 300 unqualified persons (mostly plaster boys) were foisted on the public in open competition with qualified Dentists who had worked hard and honestly for their status.

WARNING—

If this Amending Act is introduced into our State Parlia-

ment, those who have the interests of the Dental Profession at heart wish to warn you of the grave dangers, which are briefly:—

1. The Recorded persons, who have all to gain, will use all the arguments that were used in the British Parliament to influence members of the Victorian Parliament to introduce amendments to get them registered as Dentists of this State.

2. They are prepared to put up almost unlimited money to champion their cause. Supposing 200 Recorded persons put up £20/-/- each, that would give them £4,000/-/- to influence their cause.

3. On top of that the Mechanics (500) may put up £5/-/- each, equals £2,500, making a total of £6,500. *As we know from the past, the whole lot may get registered as Dentists.*

A very serious state of affairs. History repeating itself.

In Tasmania, this very state of affairs really happened. The Mechanics got an Act through the Tasmanian Parliament, compelling the Dental Board to register them as Dentists. The Board resigned. The Mechanics formed a new Board.

It is a very real danger to our professional brothers and it is greatly to be hoped that it may be averted.

Whenever the political end of the Government is unduly influenced in its professional legislation, the people of the commonwealth are certain to suffer from ill-advised legislation.

A number of states in America have gone through the same trials that Australia is now facing, and for twenty years after the passage of such laws as the Australians are opposed to, the profession has suffered from uneducated practitioners.

It is greatly to be hoped that the Australian Parliament will listen to the Dental Association and thereby promote the welfare of the citizens of that commonwealth.



Research Work for the Young Practitioner in Dentistry

By MOSES JOEL EISENBERG, D. M. D., Roxbury, Mass.

Fellow of the Harriet Newell Lowell Society for Dental Research of the Harvard University Dental School. Former assistant in Neurology, Acting Chief in Dental Orthopedics at Forsyth Dental Infirmary for Children, Boston, Mass.

"What has a dentist to be enthusiastic about? What is there about his profession that differs from so many other professions, arts, trades, or mere occupations? Why should he as a member of this profession, which is but a drop in an ocean, rise up on the crest of the wave, and cheer loud and sonorous, that he is a dentist?"

ENTHUSIASM is dynamic—what a world of ideas are embodied in those three words; what spheres revolve about its axis, and what progress can come, and flourish, where its spirit is observed to the letter.

What has a dentist to be enthusiastic about? What is there about *his* profession that differs from so many other professions, arts, trades, or mere occupations? Why should *he* as a member of this profession, which is but a drop in an ocean, rise up on the crest of the wave, and cheer loud and sonorous, that he is a dentist?

To answer that question is the object of this little essay

dedicated to the young dental neophyte, by one who, but a short while ago, knocked on the door of professional dentistry—and it seemingly has opened wide to the magic words, Enthusiasm, Research and Association.

The beginnings of a dental career are trying and arduous not so much from the hard work met with, but rather with the ever-present lack of constant work. This waiting for patients; truly—that in itself is enough to extract the last bit of enthusiasm from an red-blooded, open-hearted American lad of the present generation. But is there remedy—yes! there is and

that remedy lies the first of the magic words, Enthusiasm.

The young dentist should associate himself with a good reputable institution wherein he can give his services to a large number of individuals, who would otherwise be without dental care. In small cities where such institutions as the Forsyth Infirmary or Eastman Infirmary are not handy, there are always hospitals and charitable welfare centers who will welcome a capable, well-meaning young dentist who is willing to contribute a few hours a week for such work as is most needed.

True, the work must be limited to extraction and emergency work of various other types. This helps spend the waiting hours profitably, as far as practice is concerned; pleasantly, as far as the mental attitude is concerned; and best of all it keeps the "hand to the plow," as it were, developing a skill which would otherwise be slow in coming as well as a realization that there is a labor of love also present.

As more cases begin to come to the office, the private practice increases and an interesting association springs up between the dentist and his patient. His enthusiasm leads him to explain certain needed things to his neglectful

patients. This practice of giving small "Curtain Lectures" about oral hygiene and the relation of diet to the teeth, etc., tends to develop a power of exposition. It forces upon the young dentist the necessity of reading the literature, and thereby keeping abreast of the ever rushing tide of scientific research, and most important of all it makes him keep his eyes open for new things in his patients' mouths, and with it the desire of studying the whys and wherefores of them all. Here, the second magic word is spoken—Research.

The other word, Association, comes as a natural sequence to the previous two words. For with the enthusiasm of a practicing dentist to be of material service to his patients, and to always maintain the highest level in the profession, his research desires must be carried out. He will naturally seek the association of the best men in the profession, and will be present at the meetings of the best dental societies. Consequently, his actions of trustworthiness, interest, and good will, will be noticed, and he will in time become a member of the inner chamber and be permitted a seat in the Sanctum Sanctorum or Holy of Holies in dentistry—Success.





To the New Dental Graduate

By EUGENE S. TALBOT, M. D., D. D. S., Chicago, Ill.

"You young men who are about to begin the practice of your profession must be alert and meet the practitioner of medicine on an equal footing. You must be able to assist him in the diagnosis of the diseases of his patients. In the community in which you locate you must not forget that having received a Doctor's degree you will be looked upon as a man with more than the average intelligence. You will be called upon to take part in many public affairs in your community. The community will soon size you up as to your ability of taking a leading part in its affairs. Upon your ability to comply with all of these requirements will depend your future career."

A NEW class of dental graduates is about to test their mental wings and legs, to compete with the older practitioners of dentistry for a place in a community where they can earn a living and make a home. Will they succeed?

This will depend entirely upon the resources of the individual. Fifty years ago a graduate of a two-year course dental school could locate in any community, hang out his

sign and command a practice from the start. In those days few of the men who were then in practice were college trained, many did not possess a common school education. Dentistry at that time was based almost entirely upon mechanics, very little was known about the histology, pathology or bacteriology of the tissues of the mouth. At that period dentistry implied, as your diploma still reads, Doctor of Dental Surgery (Doctor of surgery of the teeth). It will be seen,

therefor
days
which
and inse
constitu
of profe
Today
thought
farthest
modern
fare of t
you loca
to save
means
In the
up to w
the tea
schools
the old a
ed and r
reach th
tional a
time pos
studies
and tim
tistry sh
specialty
departm
Again
within t
the denti
the etiol
tooth wa
and the
The pra
based up
principle
the physi
requires
the cause
is often a
but he m
failure in
being the
the succe
medicine
dentist w

therefore, that in those early days doctoring the teeth, which meant removing them and inserted artificial dentures, constituted the principal part of professional services.

Today, what a change! The thought of extracting a tooth is farthest from the mind of the modern practitioner. The welfare of the community in which you locate will demand of you to save their teeth and that means much.

In the early days, and even up to within a very few years, the teachers in some of our schools who retained some of the old atavistic ideas demanded and required the student to reach the professional educational acme in the shortest time possible, by pursuing his studies by the shortest route and time, arguing that dentistry should be studied as a specialty regardless of other departments of medicine.


Again what a change! Only within the last few years did the dentist give a thought as to the etiology of disease. If a tooth was diseased, extract it, and the patient was cured. The practice of medicine is based upon an entirely different principle. The first business of the physician when the patient requires his services is to find the cause and remove it. This is often a difficult thing to do, but he must do so or he is a failure in practice. This, then, being the aim and ambition of the successful practitioner of medicine as well as the young dentist who wishes to succeed,

study, study, study, all the time, is necessary to keep in touch with the advances which are rapidly being made in etiology, pathology and treatment.

I stated that the physician bases his success upon his ability to diagnose disease; he has now entered our field as a necessity. He has found that the etiology of many diseases, which up to a few years ago were obscure, are now located in the mouth, jaws and teeth. He, therefore, must enter our field of endeavor. He will soon discover your ability and your limitations.

You young men who are about to begin the practice of your profession must be alert and meet the practitioner of medicine on an equal footing. You must be able to assist him in the diagnosis of the diseases of his patients. In the community in which you locate you must not forget that having received a Doctor's degree you will be looked upon as a man with more than the average intelligence. You will be called upon to take part in many public affairs in your community. The community will soon size you up as to your ability of taking a leading part in its affairs. Upon your ability to comply with all of these requirements will depend your future career.

I congratulate you, young men; you are entering a profession which has the greatest possibilities, a profession which I love.



Don't be an Ancient Dentist

By E. L. PETTIBONE, D. D. S., Cleveland, O.

President of the Ohio State Dental Society, Secretary of the National Association of Industrial Dental Surgeons, Vice-Chairman Council on Mouth Hygiene and Public Instruction American Dental Association

"There is no place in dentistry for the man whose sole object in life is the making of money, and unless he can change his viewpoint so that he can assume the responsibilities of his healing art and render the proper service to those who come to him, he had better quit and try selling fake oil or mining stock. It would be more honorable."

THE graduate of 1923 should realize that he has greater obligations to assume than any of his predecessors, that dentistry has greatly advanced in the past few years and has assumed a leading position among the professions and activities of the world. The world, and especially your community, expects you to give of what you have to make life in the community more worthwhile and you will be measured and will prosper only in proportion to your willingness and ability to render service to the community.

Your service to the commun-

ity today must be broader than just your treatment of teeth for financial remuneration. You will rightly be expected to assume this larger position in the community. You owe it to your Alma Mater, your profession, your neighbors and yourself.

Begin to study—study as you have never studied before. At college your studies were prescribed and guided for you, now you must learn under different conditions and by much greater effort.

Dentistry is a new profession and is changing—advancing very rapidly. New methods and helps are presented every day. These are learned by

association with other dentists, attendance at society meetings, reading all the dental literature and by experience and practice. The dentist who neglects his magazines for one month is out of date.

A careful comparison of dentistry, as practiced today in a modern office, will show that no single operation is done as taught at college twenty years ago and that many methods were unheard of five years ago. Keep in the lead—DON'T BE AN ANCIENT DENTIST. You will find that your effort to keep up with the changes will take the drudgery out of your work.

The profession has labored hard to bring to the public the importance of preventative dentistry as related to the health of the people, and it is your duty as well as your privilege to carry the message to them. You must keep in touch with the activities of the world in order properly to present your message to all.

The profession expects you to assume your share of the

work of educating the public to mouth hygiene. This has been made easy by the pioneer work of those ahead of you who assumed the duty.

There is no place in dentistry for the man whose sole object in life is the making of money, and unless he can change his viewpoint so that he can assume the responsibilities of his healing art and render the proper service to those who come to him, he had better quit and try selling fake oil or mining stock. It would be more honorable.

When you locate, do not neglect to call upon the older practitioners. This is the custom and it is the duty of the new dentist and will help you wonderfully in establishing yourself. Join your local dental society and a study club. Attend the meetings of your local, state, and national societies. In this way only can you ever hope to assume the worthwhile place that awaits you in the councils of our most worthy profession.



A Purpose Worth While

By A. R. McDOWELL, D. D. S., San Francisco, Cal.

Junior Dean, College of Physicians and Surgeons, of San Francisco

"It is the person with a Fixed Purpose and a well-defined plan of life who leaves his mark upon the world. It is Concentration of Purpose and well directed Energy of the individual that leaves a heritage to society. It is an Edison, a Webster, a Lincoln, a Jefferson. "It is a Gibbon giving twenty years to his Decline and Fall of the Roman Empire; it is a Milton portraying Paradise Lost in blindness; it is a Bancroft writing twenty-six years on his History of the United States."

"It is not all of Life to live"

HAS been said. Yet how few there are who give any thought to their lives! How many really have a GOAL? How many really have a PURPOSE worth while?

Think of the time that is wasted by the masses; in idle dreams, building "Castles in Spain," of those countless wrecks of good intentions. Think of the scatteration of human endeavor; in numberless ways—waiting for something to turn up; work started

and never finished; promises made and never kept.

Look about at the human derelicts whose RESOLUTIONS did not carry—whose AMBITIONS were not realized—who yielded to INDULGENCES and GRATIFICATION of the SENSES. Lack of SELF-CONTROL, JUDGMENT and STABILITY of CHARACTER stood between them and successful ACHIEVEMENT.

Watch the multitudes of humanity who dissipate their ENERGIES—always planning some wonderful thing—always preparing, always getting

ready; anticipating future triumphs, but never getting down to putting solid foundation under their EXPECTATIONS. "It is not all of Life to live" seems true. Life in itself is sweet indeed; but together with the joy of living there is much worth while. A PURPOSE in life; an AMBITION; an IDEAL—and working for it with a determination to ACCOMPLISH gives living a keener edge. It is a GREAT PURPOSE which gives meaning to life; turns FAILURE to SUCCESS; DEFEAT to VICTORY; and ME-
 DIocre EXISTENCE to BRILLIANT ACHIEVEMENT.

It is the person with a FIXED PURPOSE and a well-defined plan of life who leaves his mark upon the world. It is CONCENTRATION of PURPOSE and well directed ENERGY of the individual that leaves a heritage to society. It is an Edison, a Webster, a Lincoln, a Jefferson. "It is a Gibbon giving twenty

years to his Decline and Fall of the Roman Empire, it is a Milton portraying Paradise Lost in blindness; it is a Bancroft writing twenty-six years on his History of the United States."

How many have such an AIM in life, such WILL POWER? How many can hold their GOAL in their vision for so long a time until REALIZATION crowns their EFFORTS? Those who can, are the outstanding figures of the world and are the leaders of AFFAIRS.

They are the ones who exemplify by their life's work that their lives have not been in vain. Like is said of the great Bernhardt, who so recently has solved that GREAT MYSTERY, she "By living made the world sweeter, by dying left us sweet memories," and this in itself should inspire us in our work for,

*"It is not all of Life to live,
 nor all of Death to die."*



Laffodontia

If you have a story that appeals to you as funny, send it in to the editor. He *may* print it—but he won't send it back.

"How dare you kiss the maid while I'm out?"

"Why, my dear! That's the only chance I have."—*Life*.



SHE: "John, do you prefer blondes or brunettes?"

HE: "Yes, dear!"



GIRL: "Have you hair nets?"

CLERK: "Yes, ma'am."

GIRL: "Invisible?"

CLERK: "Yes, ma'am."

GIRL: "Let me see one."



NIP: "I played poker last night."

TUCK: "How did you come out?"

NIP: "Fine! I won eight prescriptions."



"Mr. Bradley is certainly well read. He repeated an exquisite quotation last night."

"What was it?"

"I can't give you the exact words, but he said he'd rather be a something in a something than a something or other in a something else."



I asked her if she rolled them,

She said she never tried.

Just then a mouse ran swiftly by,

And now I know she lied.



"Why is it your mother trusts us so seldom alone?"

"She knows me better than you do, John."



My sweetest dream of perfect joy and undiluted bliss is

To kill the guy who grabs the phone and asks, "Ja know who this is?"

CANNIBAL PRINCE (rushing in) "Am I late for dinner?"

CANNIBAL KING: "Yep, every body's eaten."



HUB: "Haven't I always given you my salary check the first of every month?"

WIFE: "Yes, but you never told me you got paid on the first and fifteenth, you embezzler!"



"Is Bill a good bartender?"

"No, but he has one of the best speak-easy voices I ever heard."



"Ah," said the old countryman sadly, somewhat muddled by conventional grief and the beer he was sipping, "I be just come from burying my poor old father, he were ninety-five, he were—I only be seventy-four last Christmas. We don't live to them old ages now-a-days."



THE MAN: "Your little brother saw me kiss you. What must I give him to make him keep quiet about it?"

THE GIRL: "He usually gets half a dollar."



The other day a Negro went into a drugstore and said: "Ah wants one ob dem dere plasters you stick on yoah back."

"I understand," said the clerk. "You mean one of our porous plasters."

"No, sah, I don't want none of your poores' plasters. I wants de bes' one you got."

There is
habitually
flask, like
properly b
It is we
before con
"GOLDD
vulcanizing
that it will
of reasona

\$4.50 p
1/5th p
ATLANT

TR
239-243 Fo



HALITOSIS

AS DEFINED IN THE CENTURY DICTIONARY)

(Hal-i-to-sis) N. N. L.

(L Halitus—Breath .. Osis—Offensive)

Offensive breath, whether arising from diseased or neglected conditions of the teeth, mouth or nose or caused by disorders of digestion, respiration, the excessive use of tobacco, etc., may be readily overcome by the deodorizing properties of—

LISTERINE

Listerine is strictly antizymotic, it inhibits alike the acid fermentation of carbohydrates and the alkaline putrefactive processes of mixtures of meat and saliva, retained as debris about the teeth; hence, Listerine is antagonistic to the activating enzymes of fermentation so often the cause of Halitosis.

Many dental practitioners who advise their patients to use Listerine daily as a mouth-wash, also keep Listerine in an atomizer on the dental bracket readily available for use prior to operations, in self defense against pronounced cases of Halitosis.

Lambert Pharmacal Company

Twenty-first and Locust Streets

St. Louis, Mo., U. S. A.

Traun's AMERICA "Golddust" Dental Rubber

TRADE MARK REGISTERED

"GOLDDUST" RUBBER—AND WHY

Point 5—PERFECT VULCANIZATION

There is a tendency among some members of the profession to habitually blame the vulcanizer whenever imperfect plates occur. The flask, likewise, comes in for a share of the blame which often cannot properly be attached to either.

It is well to thoroughly investigate the base rubber you are using before condemning your vulcanizing instruments.

"GOLDDUST" Rubber will vulcanize perfectly when the very simple vulcanizing directions are followed. It is, indeed, gratifying to know that it will produce perfect plates 100 times out of 100 by the exercise of reasonable care in preparation.

"GOLDDUST" VULCANIZES PERFECTLY.

(Another Feature of "Golddust" appears in next issue.)

PRICES:

\$4.50 per pound.

\$2.25 per half pound.

1/5th pound sample box (about 7 sheets) \$1.00.

ATLANTIC RUBBER MFG. CORPORATION

SUCCESSORS TO

TRAUN RUBBER COMPANY

239-243 Fourth Ave.

Dept. OH-5

New York

OH-5

Enclosed

\$1.00 for

Sample Box

of "Golddust"

Dr.

.....

Sensitive Gums.

December 1922.

"From the fullness of the heart the mouth speaketh"

Mr. August E. Drucker.

Dear Sir:

Because each day I enjoy a feeling of thankfulness in appreciation of the quality and results of your tooth powder I am going to add you to my list of friends and acquaintances to whom I feel the desire to say A Merry Xmas and A Happy and Prosperous New Year!

Dr. _____ of _____ suggested I use your powder three years ago when I was enjoying the usual trouble of gums and teeth during pregnancy, and by using the powder five times per day—after each meal and morning and evening—and, as you suggest, allowing the powder to remain around the necks of the teeth, I was able to gradually heal the gums, which had receded so the exposure of the cementum was most painful.

Continuing to use the powder for the next two years I feel convinced I have it to thank for the joy of going through pregnancy again without any gum or tooth trouble whatever.

Of course I am showing the usual appreciation by telling all I come in personal contact with, my opinion of the quality of the powder.

Yours sincerely,

Mrs. _____

So that you, too, may have the same first-hand knowledge of Revelation that thousands of your colleagues possess, we stand ready to provide a full-size can free. Please send your professional card—or a note on your professional stationery.

August E. Drucker Co., 2682 California St., San Francisco, Cal.

REVELATION

For Teeth and Gums



Continuous oral disinfection

is made possible by the use of Formamint tablets. They dissolve in the mouth with a refreshing taste—which persists until the last particle is consumed—and release *nascent* formaldehyde that, freely mixing with the saliva, assures prolonged and thorough bactericidal action.

In the presence of offensive odors and wherever septic or inflammatory conditions demand disinfecting measures these tablets assure prompt and gratifying results. We shall be pleased to place at your disposal an adequate supply of samples, free of charge.

Address: THE BAUER CHEMICAL CO.
113 West 18th Street, New York City



Formamint

GERM-KILLING THROAT TABLETS

Formamint is our Trademark—It identifies our product



Clover Leaf Products

*Manufactured to meet the exacting demands of
present day Prosthetic Dentistry*

IMPRESSION PLASTER. Fine in texture, free from grit and from objectionable expansion. Quick and accurate in set, breaks with a clean fracture.

MODEL PLASTER. A fine, accurately setting product. Used by those who are satisfied only with the best material obtainable.

STONE. The ideal material for flasking. No expansion. Does not soften in the vulcanizer. Sets in one half hour. Holds both rubber and teeth in an unyielding grip during vulcanization. Makes possible real anatomical articulation in the finished denture.

For sale by Dental Dealers. Test samples furnished on request. Use the coupon.

COUPON

H. B. WIGGIN'S SONS CO., BLOOMFIELD, N. J.

Send trial sample of.....

To Dr.....

Address.....

Six
W

I
gl
th

ounce
secret
fluid
PEB
acts
these
frice
a pro
of sa

Wh

This
mouth
sary.
by m
know
the sa
times
chewin
at res
But th
require
glands
a norm
They
order t
sufficien
nature

How I

PEBEC
brings
degree o
of saliv

Six tiny mouth glands— Without them we could not live.

IN the mouth are six tiny glands. Although together they weigh only three ounces, in a normal mouth they secrete more than a quart of fluid every day.

PEBECO TOOTH PASTE acts in a peculiar way upon these glands. Its use as a dentifrice causes them to send forth a prolonged and plentiful flow of saliva.

Why Mouth Glands Must be Stimulated

This gentle stimulation of the mouth glands is to-day necessary. Scientists have proved, by means of an instrument known as the *sialometer*, that the salivary glands are twenty times more active when we are chewing than when the jaws are at rest.

But the average diet these days requires little chewing. The glands of the mouth do not get a normal amount of exercise. They must be stimulated in order that the flow of saliva be sufficient to accomplish all that nature intended it to.

How Pebeco Helps Prevent Tooth Decay

PEBECO TOOTH PASTE brings about just the proper degree of stimulation. The flow of saliva caused by its use not

only washes away minute clinging particles of food, but helps also in counteracting "Acid-Mouth."

Saliva as it flows from the glands is alkaline. Consequently, it immediately breaks down those destructive acids which are constantly forming in the mouth. It counteracts them at their very source before they have had a chance to attack the unreplaceable enamel of the teeth.

PEBECO is refreshing and invigorating. Used twice daily, it will prove to be a positive agent for the prevention of tooth decay and for maintaining true oral prophylaxis.

Samples for distribution at the chair on request.



Diagram showing the position of mouth glands. 1—the parotid; 2—the submaxillary; 3—the sublingual. Identical glands are located on the right side of the face.

Manufactured only by

LEHN & FINK, Inc.

635 Greenwich Street

New York City

ORIGINATORS

IMPROVEMENTS in the design of Artificial teeth are practical only when an original idea adds elements of efficiency.

H. D. JUSTI & SON originated the TRUE-TO-NATURE tooth and incorporated in their design original ideas. The MEDIUM DEEP masticating surface—the worn effect of the buccal labial cusp of the lower posteriors show a condition of the natural teeth at the time of restoration.

These are original ideas in Artificial teeth but an old story in nature.

Have your Dealer show you Justi True-to-Nature molds No. 228 to 250 and note the Natural appearance and mechanical efficiency.

May we send you a catalog of all our molds?

H. D. JUSTI & SON, 1301-3 Arch St. Philadelphia. Branch 159 N. State St., Chicago. Factory West Philadelphia.



To the New Graduate:

Send your name for this interesting, instructive booklet—it is free.

JUSTI

Pass

NOT
Co
me
the conte
membran
dentifrice
and then

Not an A
stand is w
profession
doctors re
cleansing
non-gritty

A generous sup
ply of samples
will be sent to
professional
friends, on re
quest.



Passing Fads in the Manufacture of Dentifrices

NOT a Medicated Dentifrice. Years ago Colgate & Company refused to meet artificial demands for a highly medicated dentifrice. They followed scientific dentists in the contention that strong drugs are harmful to the mucous membrane of the mouth. Such drugs should not be used in a dentifrice except in the treatment of pathological conditions, and then only under the advice of a dental practitioner.

Not an Acid Dentifrice. Once more Colgate & Company's stand is with the scientific members of the medical and dental professions who refuse to use an acid tooth paste. Those doctors recommend to their patients a dentifrice with high cleansing qualities, pleasant to taste, containing a thorough non-gritty cleanser.

Colgate's Dental Powder holds a high position among those of the dental profession who prefer a dentifrice in Powder form. As with Ribbon Dental Cream, it is based on the same fine precipitated chalk and pure soap.

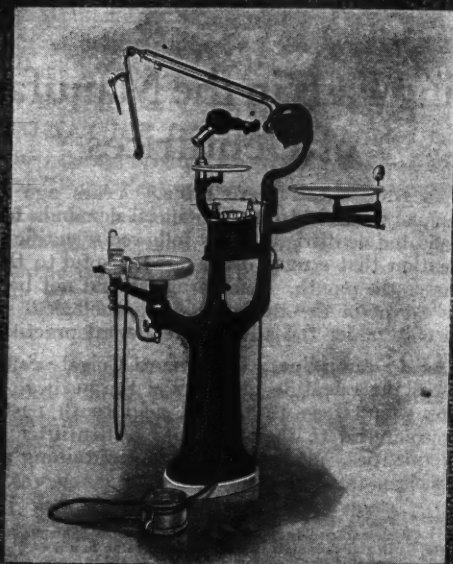


Truth in Advertising Implies Honesty in Manufacture.

DENTAL DEPARTMENT
COLGATE & CO.
Established 1806
199 Fulton St., New York

A generous supply of samples will be sent to professional friends, on request.





The Ritter Tri-Dent

There is Always One Best

Send for Literature

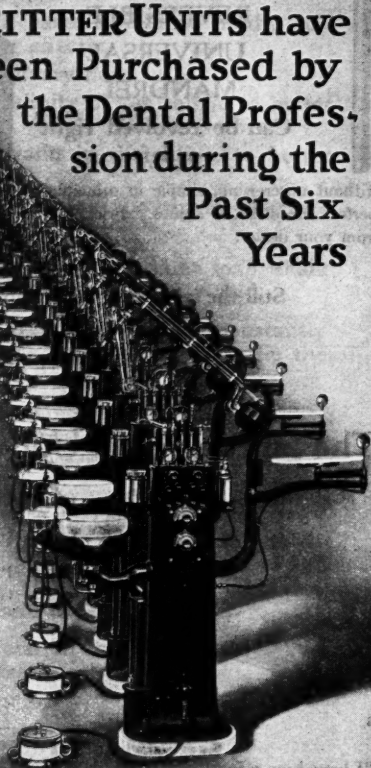
Ritter Dental Mfg. Co. Inc.

*Exclusive Manufacturers of Dental Equipment
for Thirty-three Years*

Rochester, New York

Over \$5,000,000 Worth
of RITTER UNITS have
been Purchased by
the Dental Profes-
sion during the
Past Six
Years

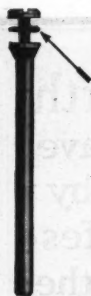
If you have a
Ritter Unit write
for booklet ex-
plaining the uses
of the Air and Elec-
trical Appliances



Write for Literature

RITTER DENTAL MFG. COMPANY Inc.

ROCHESTER, NEW YORK



NEW CANNING'S REVERSIBLE UNIVERSAL MANDREL

Can be revolved right
or left

without unscrewing, simple in principle,
perfect for disks or stones. Price 15c,
from your dealer.



Still the standard, dependable, pulp preserver

Price \$4.00

From your dealer

The Smedley Split Universal Bridge Tray



Splits with clean fracture into
edentulous spaces.

Giving accurate impression of
cusps, fissures and embrasures.
Price, with handle, 90c

Get the complete larger set of

5 Smedley Split Trays

2 Handles

1 Clamp.

Price \$4.25

"I have been using the Smedley Split Trays right along and find them highly
satisfactory, far more so than the hinged tray."

DR. M. M. HOUSE,
Indianapolis, Ind.

General agents for all articles on this page:

THE DENTAL SPECIALTY COMPANY,

1638 California Street,

Denver, Colo.

THE PEPSO
Please send
with literature

Name.....

Address.....

Do You Accept

These principles?

First, that a tooth paste should be mildly acid to create the following effects:

To stimulate the salivary flow.

To increase the alkalinity of the saliva, to better combat mouth acids.

To increase the ptyalin in the saliva, to better digest starch deposits.

And thus to give manifold power to Nature's tooth-protecting agents.

Second, that a tooth paste must omit soap, chalk and other alkalis, else it can't be mildly acid.

Third, that mucin plaque should be constantly combated. And that the best way is to curdle the plaque and then remove it.

Fourth, that the polishing agent should be effective, yet harmless to enamel. And that both qualities should be proved to a certainty.

Then advise Pepsodent

Those are the qualities in tooth paste which modern authorities desire. Pepsodent meets those requirements. So, if you agree, you should advise its use, as dentists the world over are now doing.

Please ask for information that you lack. Or for a tube, if you wish to test it at your chair.

Pepsodent PAT. OFF.
REG. U.S.

The Modern Dentifrice

THE PEPSODENT COMPANY, 2628 Ludington Bldg., Chicago, Ill. 1066

Please send me, free of charge, one regular 50c size tube of Pepsodent, with literature and formula.

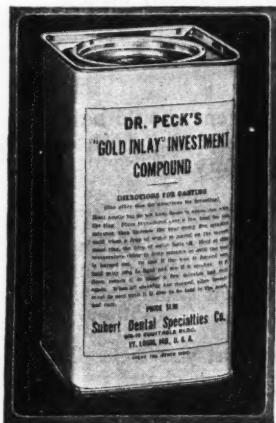
Name.....

Address.....

Enclose card or letterhead

The Ideal Combination for CASTING

For inlay abutments or three-quarter crowns use Formula 1, Hart Casting Gold and Dr. Peck's Casting Investment—a combination that never fails to bring best possible results. Thousands of good dentists will use nothing else for their finest castings. Try it yourself, Doctor.



Trade Mark—Registered

FORMULA



Prices

Hart Casting Gold—
Formula 1—
per dwt. \$1.75
Dr. Peck's Casting
Investment—
per can \$1.00
At your dealers.



Trade Mark

Registered

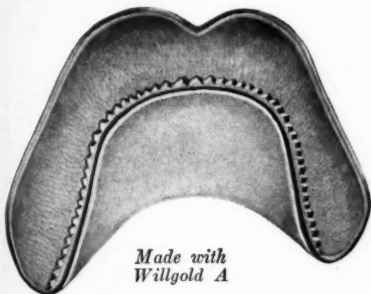
Both of these products are manufactured by

Subert
Dental Specialties Co.
806-18 Equitable Bldg. St. Louis, Mo.

A Williams Casting Gold

For Every Purpose

Each possesses the proper physical properties to make it the one best gold for its intended purpose. Williams Casting Golds produce perfect castings because they are made from pure alloys, carefully balanced in formula.



*Made with
Willgold A*

**CASTING
WILLGOLD
A**

Willgold A

For full dentures, saddles, bridges, crowns, etc. Has great tensile strength. Plates can be cast thin and light.

*Price \$1.00
per dwt.*



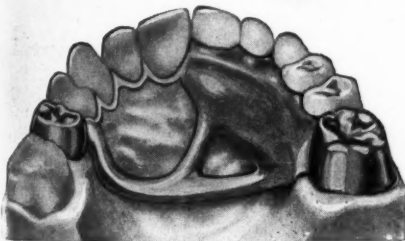
*Made with
Willgold B*

**CASTING
WILLGOLD
B**

Willgold B

For skeleton castings, partial dentures, palatal bars, etc. Clasps can be cast as part of the denture.

*Price \$1.10
per dwt.*



Made with Willgold B

**From
your
dealer**

THE WILLIAMS GOLD REFINING COMPANY
2978 Main St., Buffalo, N. Y. Bridgeburg, Ont.

WILLIAMS CASTING GOLDS

See Announcement on reverse side



Gold used for Williams Ready-Made Clasps enlarged 200 times

Crystallization shown in the Williams Ready-Made Clasp. Due to rolling, stamping and forging, limit of elasticity very high.

Ordinary Gold enlarged 200 times

Crystallization shown in high-grade gold used for casting clasps. Limit of elasticity very low.

Better work—

Extra profit

Williams Ready-Made Clasps

Standardized from models of thousands of natural teeth. Usually require only half a minute's time to fit—you save half an hour on every case. Where a tooth is oddly shaped, clasp can be bent and rebent to adjust it. Lower in price than the same weight of clasp plate.

Band Measurements

No. 1 Small Cuspid	$\frac{11}{16}$ in.	No. 4 Bicuspids	$\frac{11}{16}$ in.
No. 2 Cuspid	$\frac{11}{16}$ in.	No. 5 Molar	1 in.
No. 3 Bicuspids	$\frac{11}{16}$ in.	No. 6 Large Molar	1 $\frac{1}{16}$ in.

Nos. 4, 5 and 6 have the occlusal rest

Prices

Nos. 1 and 2 Cuspids	\$0.90 each	No. 5 Molars	\$1.10 each
Nos. 3 and 4 Bicuspids	\$1.00 each	No. 6 Large Molars	\$1.50 each

Sold by all dental dealers

THE WILLIAMS GOLD REFINING COMPANY
2978 Main St., Buffalo, N. Y. Bridgeburg, Ont.

WILLIAMS

READY-MADE CLASPS

Closeups of Patients—No. 5



"Oh, they're lovely, doctor!"

Here's how

You can try Lily Cups free. Just mail your card with name of dental supply house.

If anyone knows cleanliness when she see it, it's mother. Just put yourself in her place a minute. Think how much more you'd be impressed by the dentist who serves water in a nice individual Lily Cup instead of a questionable common glass!

If you hate the trouble of sterilizing glasses—you'll be mighty fond of Lily Cups!

PUBLIC SERVICE CUP COMPANY
Bush Terminal Brooklyn, N. Y.

Serve in a

LILY



Time It—

The No-Plaster method of inlay casting in connection with Smith's Cupels is in no sense an experiment.

This new method of time saving which actually results in better work is now being used exclusively in the offices of discriminating dentists throughout the world.

You know how much time is required to invest your wax pattern and prepare it for casting by the old-fashioned method.

It has been necessary for you to start the operation one day and finish it at a subsequent sitting.

This is necessary no longer.

If you are in doubt as to the efficacy of the method, we invite you to test it for yourself. We urge you to hold a stop watch on the operation.

If we can induce you to do that you will find every statement we have made concerning the process to be literally true.

But a stop watch will not show you how much better results are insured by this method.

You must find that out for yourself.

But when you realize that the Investment material used in connection with this method contains no plaster you will know that it undergoes no chemical change.

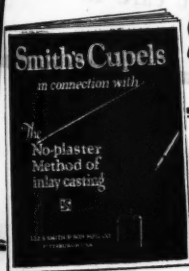
This will automatically prove that it can neither shrink nor expand.

No living dentist can afford to waste the time required to cast an inlay by obsolete methods.

Neither can he afford to use a method which does not insure one hundred per cent. results one hundred per cent. of the time.

Send for the book which tells you how you can conserve time, which—aside from skill—is in the final analysis your most valued asset, and at the same time produce results which must be superior.

LEE S. SMITH & SON MFG. CO.
PITTSBURGH, U. S. A.



**send for this
BOOK now.**

Dr.
Address
City
Dealer



CHOOSING the BLOCK

YOU have much in common with the great artists of the world if you but realize it. Take Benvenuto Cellini for example. Cellini is known to most people as a master goldsmith—his gold cup in the Metropolitan Museum of Art is one of the most beautiful and exquisite examples of gold work in existence. But Cellini was a sculptor of great skill and artistic conception. His "Perseus" is rated as a masterpiece. However, Cellini with all his skill, could not carve a six-foot figure from a five-foot block. Hence the necessity of great care in "choosing the block."

When you choose a porcelain crown, you are choosing the block." Unless your choice is wide enough at the neck it will be impossible to cover the root end unless you cast a coping and that is not always convenient.

Trubyte Crowns

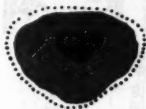
have "enough Neck to grind"

—they are large enough where size is necessary and they are made in definite graded sizes so that there is never any difficulty in securing what you need.

Nor is there the necessity for you to carve the form because Trubyte Crowns were carved to natural form by the discoverer of typal forms of natural teeth—Dr. J. Leon Williams.

Just as sculptors are extremely particular in choosing the block" from which they carve a masterpiece, so you will be well repaid by choosing Trubyte Crowns, instead of just a piece of porcelain, when you are called upon to make a life-like restoration.

Your Dealer or Direct.



THE DENTISTS SUPPLY CO. of New York



Bacteriological report shows bacterial contents twelve million to thirty-one million germs per brush.

**Thompson's
Germicidal
Sterilizer and
Retainer for
Tooth brushes**

is the absolutely effective yet quite simple means for keeping brushes sterile.

The tight-fitting stopper seals it. The brush rests upon the perforated bottom of inner container. Beneath it is a chamber for sterilizing fluid, the fumes of which rise through the perforation.

Price: Sterilizer, complete with year's supply of antiseptic, \$1.50.

**S. H. Thompson
& Company,
914 Detwiler Building,
Los Angeles, Cal.**

**CALIFORNIA
Needs More Laboratory Men**



This school is trying to supply them. The California profession is undermanned. Here in California, where life is more worth while, there is an opportunity for the man with a mechanical bent who is ambitious to enter a profitable profession in an uncrowded field. We have operated successfully since 1919 as the only institution of its kind on the Coast. Special tuition fees, subject to withdrawal at any time, are offered. Ask about it now.

**School of Mechanical Dentistry
229 Higgins Bldg., 108 W. 2nd St.,
Los Angeles, California.**

*Pacific Coast Dentists—Here is where
your colleagues are securing good men!*



**This is the
other kind**

Put the "reverse English" on hypodermic needles for a moment. Would you like a needle made of metal so soft that it would not retain a keen cutting edge? A needle so soft that you would be obliged to avoid flame-sterilization? A needle, the parts of which were stuck together with solder? *Of course you wouldn't!* Well, the A. P. W. is the other kind of needle. Its 30% Iridium 70% Platinum formula produces a **HARD** needle—that retains a keen edge, minimizing incision pain—that can be sterilized in the hottest flame—and it is free from soldered connections. That makes you want the A. P. W. doesn't it?

**American Platinum Works,
N. J. R. R. Ave., at Oliver St.,
Newark, N. J.**

Your card or a postal will bring interesting, helpful information.

**A. P. W.
Needles**

What is DENTMEDIC?

A Positive Pulp Capper and Cavity Lining all in one. No mixing or preparation of any kind. Comes to you ready to apply. White in color, and will not run on margins. A time saver.

Price \$1.50

Order of your dealer

Distributed by
The

Ransom & Randolph Co.

DENTMEDIC
LABORATORY

Cleveland, Ohio.

Alvaturnder THOUGHT FOR APRIL

Using Procaine ALVATUNDER Infiltration Anesthesia in the preparation of sensitive teeth for crowning or for filling does not, in itself, create an uncontrollable danger of encroaching upon the pulp. The danger line is not obliterated by the use of this long tried and tested Local Anesthetic.

Sample free of the Procaine form. No narcotic blank required. Cocaine if you want it, though. There's a lot of space in the margin for your name and address—or just send your professional card or letterhead. *Write today.*

The Hisey Dental Mfg. Co., St. Louis, Mo.



Dr. Stempel's Water-proof Discs and Strips

- | | | |
|----------------|-------|----------------------|
| 1. Durable | | 4. Thoroughly Water- |
| 2. Time Saving | ***** | proof |
| 3. Economical | | 5. Can be Sterilized |

These are the reasons why— Try 'em

Stempel Dental Specialty Co.

Fort Madison, Iowa



To the Graduates:

Turn to page 777 of this issue of Oral Hygiene. There you will find a message of interest to you.

UP-TO-THE-MINUTE

Hakins Cleaners



Efficiently
Pleasantly
Clean Teeth

No lacerated gums
No abraded enamel
No spattering

Absorbing and carrying
liquid, powder or
paste.

\$1.00 a doz.

All dealers.



1 Union Square,
New York



This
Crown Gauge
Free!

Send this ad or your card, or a postal for the free catalog of Masel's Gold Facings, and we will tell you how to get this Crown Gauge free.

**Masel Dental
Laboratory**

1108
Spruce Street
Philadelphia, Pa.



The new Castle sterilizer

THIS is the most important announcement of new dental equipment that we have made in years. It is the pedestal mounting for the famous Castle Instrument and Castle Rochester Steam Sterilizers.

Details improved: neither sterilizer can boil absolutely dry, for the cut-off breaks the current before the water is all gone.

No fuse pins or thermostatic metal are used. New steam seal conserves all the steam in the steam sterilizer. Wiring concealed. Sterilizer appeals to you write us for further details. The price is surprisingly low.

"Every patient looks for a sterilizer."

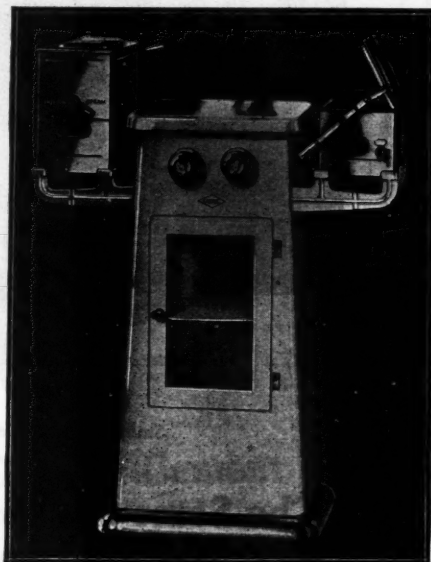
CASTLE

Sterilizers for Dentists, Physicians and Hospitals.

WILMOT CASTLE CO., 1158 University Ave., Rochester, N.Y.

Please send me, without obligation or charge, full data on your sterilizer No. 1414-A

Address.....
Dealer.....



No. 1414-A

Design suggested by Dr. William R. Adams.

Matches your other equipment.





Smith's Copper Cement
Today

The Same— Yesterday, Today and Forever

It has been more than nine years since the first package of Smith's Copper Cement was placed on the market.

During these years some minor changes have been made in the package and label but—

NO CHANGE has ever been made in the material itself, because it was impossible to make any change which would improve it.

Before a label was pasted on the first package, the material was thoroughly tried and tested and found to be—

A cement possessing all the germicidal, sedative and therapeutic properties of an ordinary copper cement, but which could be used for permanent fillings as well as for setting crowns, inlays and bridges.

And,

"Sm

Will

Since

of tho

world.

It nev

It nev

What

years a

N

N

be

It is the

LEE



Smith's Copper Cement
9 Years ago

And, Nine years ago we said:

"Smith's Copper Cement
Will Not Discolor in the Mouth"

Since then it has been used in the mouths of thousands of folks all over the civilized world.

It never has discolored in the mouth—and it never will.

What Smith's Copper Cement was nine years ago, it is today.

Not merely a Zinc Cement
Not merely a Copper Cement
—but the best features of
both combined.

It is the same yesterday, today and forever.

LEE S. SMITH & SON MFG. CO.
PITTSBURGH, U. S. A.

Patients will co-operate

IF you get them started using Periloids, patients will co-operate in home treatment, and much more readily than if you request them to massage their gums by other means. Prescribe Periloids—which are composed of a gum of high resiliency, medicated under a carefully worked out formula, embracing germicidal and astringent properties. The pressing of

Periloids around the necks of the teeth increases the blood flow in the peripheral circulation and the chewing action forces, in and out, the blood in the periodental membrane. The patient can carry Periloids around with him. A month's treatment comes in one box—120 grams, \$1.00.

Write—mentioning your dealer's and your druggist's name

Oral Laboratories
Salem, Mass.



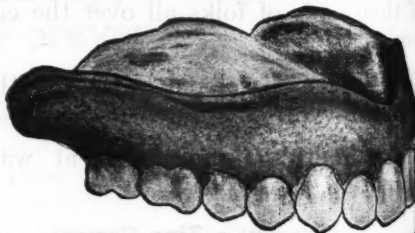
Periloids

USE ONE DAILY

"The Pink of Perfection"

\$2.50 per ¼ lb. box.
Your dealer or direct.

Back to Nature



The patient's chief worry, usually, is: "Will people know I am wearing artificial teeth?" Tooth manufacturers have long been making teeth that really defy detection—but be sure that the *rubber* you use is equally esthetic.

If you wish to give a denture that healthy glow of Nature, if you wish to reproduce the natural gums—then veneer with a true

blend of pink rubbers found only in McCORMICK'S BLENDED PINK Blended Pink Rubber used in combination with the following McCORMICK BASE RUBBER makes an ideal denture: No. Dark Orange, No. 6 Maroon, No. 4 Light Red, No. 18 Red Weighted, No. 22 Olive, No. Gold Flake.

E. J. McCormick Rubber Co.
Lodi, New Jersey

COM
Irrit
demo
ery of
An
must
destru
Scien
Petry
essent
Purpo
the pal
cup nec
come in
to norm
palate,
Non-D
tact wit
vulcani
the circ
suspend
hanging
conditio
tainers.
comfort
Adapta
selection
of the p
surfaces
long ye
can be r
The b
any sha

We no
a model
service i
Rubbers
and labor
Pittsburgh

Serv

AW
W. H. C

ACCOMPLISHED! COMFORTABLE RETAINERS

Irritation and other vicious torture demons are now only hollow mockery of this truly great achievement.

An article to be worth while must serve a purpose, be non-destructive and yet be adaptable.

Scientific micrometer-measured Petry Retainers, meet all these essentials fully. Because their

Purpose is to serve by holding a denture with comfort firmly against the palate. This only becomes possible when the retainer's base and the cup necks are sunk into a chamber allowing only the outer cup edge to come in contact with the palatine surface, so that when the cup goes back to normal state, the plate is drawn firmly, yet comfortably, against the palate, plate wobbling being **IMPOSSIBLE**.

Non-Destructive because it has no metal button heads to come in contact with the tissues, but has cups that are pure rubber with soft centers vulcanized to the base. Neither do they have long flabby cups, of which the circumference is so far from its central mounting as to leave the plate suspended, like weight on a rubber band, causing soreness due to the plate hanging loosely with a wiggling motion which irritates the tissues. This condition, so deserving of prejudice, is entirely overcome in the Petry retainers. The cups having such short flanges, prevent **IRRITATION** and a comfortable plate is insured.

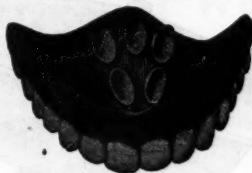
Adaptability in the various mouth formations is possible only by a selection of different sizes and shapes, to fit the different sizes and shapes of the palate, thereby arranging that the small cups fall on the smooth surfaces between the rugae, a feature in Petry retainers, perfected through long years of study. Petry retainers, if directions are carefully followed, can be made to hold dentures firmly yet comfortably, without irritation.

The big Petry feature is the screen incorporated base, which conforms to any shape desired.

The New Petry Service Department

We now maintain a service department for your convenience. If you send a model the department will select just the right retainer for the case. This service is free. **PRICES**; Complete outfits (since April 15, 1920) \$2.00: Rubbers only \$1.00. Prompt service guaranteed. Sold by leading dealers and laboratories. Mfg. only by The Jacob Petry Retainer Co., North Side Sta., Pittsburgh, Pa. European Agt: Franz Petry, Herman Strasse, 39 Frankfurt A /Main, Ger.

FIVE OVAL



5 cups united with the base
without a rivet head!

Serving the Profession for More Than Sixty Years

Insist Upon

"THE OLD RELIABLE"



If your dealer is unable to supply you, address

W. H. CLERKE, Special Agent

1136 Venango St., Philadelphia



Good prosthetic dentistry is sculpture—

nothing less—sculpture refined, in fact. The artist sculptor removes his moulds in regular sections so that re-assembly is simple and exact. Lack of proper means has, heretofore, prevented the dental sculptor from using the same methods. With the invention of the UNION SECTIONAL TRAY, mechanically correct, artistically correct and scientifically correct impressions may be had of teeth in any part of the mouth, whether they be badly crowded, out of line, irregular in form or whatever other condition they may display. Through dealers or direct. Price, \$1.25 a box, containing 6 pair of Sectional Trays and one Universal Crown and Bridge Tray—all brass, nickel-plated.

*Literature free.
Ask your dealer or*

Union Broach Co., Inc.
130 West 20th St.,
New York, N. Y.



TRUE ECONOMY

The Holmes Tumbler Warmer is thermostatic. It maintains the solution at body temperature day in and day out—requiring no attention.

That means economy of time. Because it is thermostatic the electric current is on *only when needed*. As soon as the temperature reaches normal the current is cut off.

That means economy of electricity as compared with the bulb type of heater.

The temperature remains constant no matter how much solution is used. No need to add warm, fresh solution to keep the temperature up. Every drop can be utilized.

That means economy of solution.

And last, but not least, consider your patient's comfort.

\$15.00

**M. F. Patterson Dental
Supply Co.**

406 6th Ave. So., Minneapolis
Minn.

Send the coupon for more
information.

Dr.

Add.

Our advertising man was wrong—listen to his confession!

"When the boss suggested that our ORAL HYGIENE advertising be written to appeal to the dentists through their wives, and that the photograph of this rather beautiful lady be used for an illustration, I held up my hands in horror. It had never been done before and, although I like innovations this seemed to be *too* radical an idea. But *I* was wrong, and the boss was right! We've been running this "wife" campaign for several months and it's all working out as the boss predicted."



We want, with your permission, to take your wife into our confidence. We want to give her an opportunity to use Thoro Skin Cleanser for her hands or as a shampoo.

We have found that where we do this, the ladies are in the habit of enthusing over Thoro to such an extent that their husbands are prompted to install it in the office for their own and patients' use.

Thoro is the most delightful, effective and sanitary hand cleanser there is. Its base is a fine sterilized meal that gets into the pores and under the nails and *carries away* the dirt. A dentist's hands *must* be kept in trim. Hundreds and hundreds of dentists are finding that Thoro is the way to do it. Send the coupon for the free sample. When you get it, *take it home!*

Thoro Corporation, 217 W. Huron St., Chicago, Dept. O.

Please send free sample of Thoro and Helen Channing's booklet.

Dr.
Address
With



Flabby Ridges-

The ORIGINAL

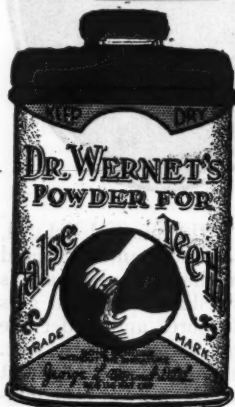
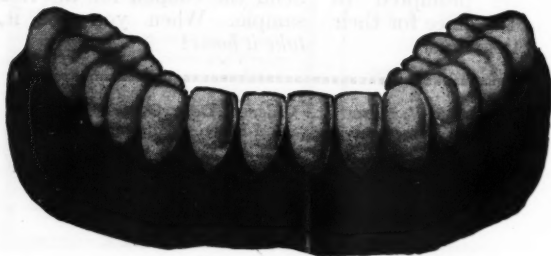


Plate Powder

When people are very old and the alveolar ridges become flabby Dr. Wernet's Plate Powder will afford enough adhesion to overcome this condition. It allows the aged to eat and masticate properly. This is vitally important for any of your elderly patients who have reached this stage.

Dr. Wernet's Does These Things

- 1—Gives instant adhesion ("Suction").
- 2—Permits patient to eat meals the first day with comfort.
- 3—Stops any tendency to gag or vomit.
- 4—Enables patient immediately to talk properly.
- 5—Prevents rubber-sore mouth.
- 6—Overcomes nervous habit of pushing plate with the tongue.
- 7—Prevents despondency and disappointment.
- 8—Keeps patients cheerful and confident.
- 9—Creates satisfied patients and builds your practice.



H. R. LATHROP

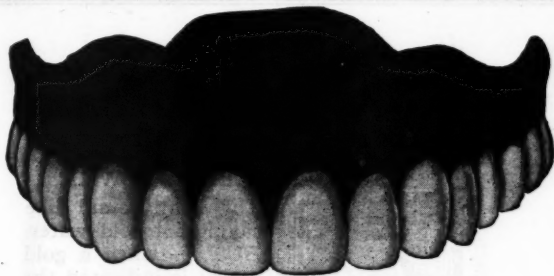
U. S. Pat.

11 St.

New York

Sold by all department stores and houses

WERNET & CO.



Wernet's Powder

Dr. Wernet's Powder for False Teeth

(A White Powder)

The latest tool in Dentistry. In color, taste, fragrance, and adhesive action vastly superior to any other apparently similar preparation.

Dr. Wernet's Powder for False Teeth

(A White Powder)

is being widely used by the profession

- To keep cotton rolls from slipping and sliding
- To stop any tendency to gag or vomit
- On partial plates after extraction
- On temporary plates
- On plates for flabby ridges
- On old plates after changes have been made in them
- To eliminate bite plate trouble
- To cure blister or sore spot after plate has been trimmed

WERNET COMPANY, Inc.

U. S. Pat.

11 St.

New York

Sold by department stores and drug houses.



WERNET CO.



SEAMLESS TWO-PIECE CROWN.

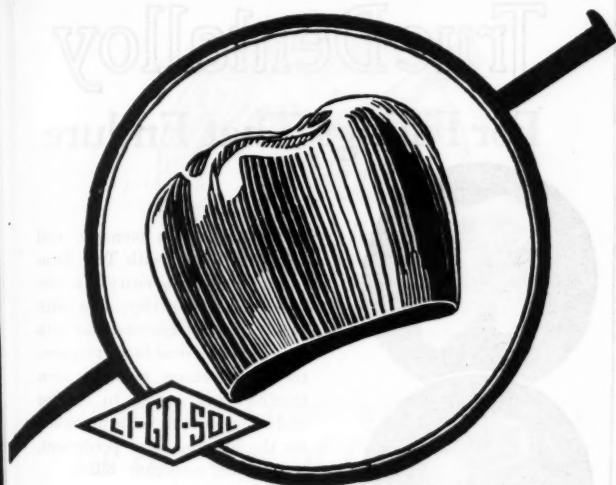
This may sound like saying hot cold water. BUT — when a gold crown is indicated the ambition of every dentist is to use one without a seam.

For, in a seamless crown, there is no solder to show through. Yet by methods heretofore employed, a two-piece seamless crown has been impossible to construct.

Li-Go-Sol is a Liquid Gold Solder applied with a brush to the seam in the band of the crown which is then fused together in the flame of an ordinary Bunsen Burner.

A Seamless two-piece Crown

Lee S



The same method is pursued in fusing the cusp to the band, and as metal soldered with Li-Go-Sol cannot be unsoldered, the result is the exact equivalent of a crown stamped out of one piece of metal.

If this feat seems impossible of accomplishment, never mind about that.

Send for the book which describes in detail the very simple technique.

Li-Go-Sol will enable you to do better work in an easier way and at less than half the cost.

Li-Go-Sol retails at \$5.00 the package which will do the work of eleven pennyweights of ordinary 22 karat solder.

May we send you the book? It is sent free.

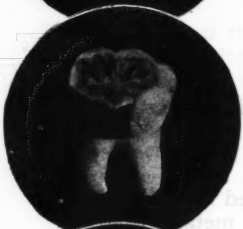
Lee S. Smith & Son Mfg. Co.

Pittsburgh, U. S. A.

True Dentalloy

TRADE MARK
REG. IN U.S. PAT. OFF.

For Fillings That Endure



GOOD, clean mercury, well triturated with True Dentalloy, thoroughly condensed in the cavity, first with small-faced instruments, later with large, smooth, oval-faced pluggers, the plastic excess removed, then trimmed and carved to contour and occlusion; this is the procedure for the insertion of a permanent, serviceable, amalgam filling.

The cavity preparation and the pathological aspect of the case we leave to your intimate and superior knowledge, but we can prescribe with authority the kind of alloy and the way to use it for best results.

A silver-tin alloy of the highest possible character and at a moderate price.

Filings or Shavings

Medium and Quick Setting PRICES

20-ounce lots	per ounce	\$2.00
10-ounce lots	per ounce	2.10
5-ounce lots	per ounce	2.25
Single ounce		2.40

In either one or five-ounce bottles

At Your Dealer's

The S. S. White Dental Mfg. Co.

"Since 1844 the Standard"

Philadelphia



Conserve Time and Energy by the Use of Good Burs

SHARP burs, properly hardened, true running burs, burs that are uniformly reliable, do good work and do it quickly. Saving time and energy is the order of the day. More and better product is the constant object of successful men. It cannot be attained with poor tools and equipment.

Daylight hours of the dentist are precious; he cannot afford to waste them by compromising his efforts with inferior instruments. Operations requiring the use of burs consume at best a great part of his time, therefore, it is vitally important to get the most work and the best work from them.

**S. S. WHITE REVELATION BURS
ARE MADE FOR THE BUSY DENTIST**

They're "Stoned"

YOUR DEALER WILL SUPPLY YOU

**The S. S. White Dental Mfg. Co.
"Since 1844 the Standard"
Philadelphia**

Dr. Tepper's Herculyke

The Universal Gold. The color of platinum—the strength of steel.

HERCULYKE can be used either for casting or fashioning clasps and bars by hand. It can be cast over and over again without loss of strength and without addition of new gold.

Herculyke is high fusing, very elastic and strong. It has no contraction and will not oxidize in the mouth.

Cast Herculyke thin. It is denser and stronger than any other gold.

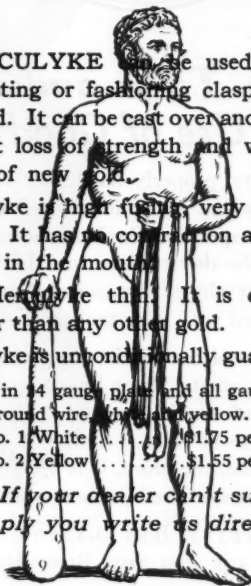
Herculyke is unconditionally guaranteed.

Supplied in 14 gauge plate and all gauges of round and half round wire, thin and yellow.

No. 1 White \$1.75 per dwt.

No. 2 Yellow \$1.55 per dwt.

If your dealer can't supply you write us direct.



**Manufactured by
Heatless Dental Wheel Co., Inc.
Long Island City, N. Y.**

**New York Office, Candler Bldg.
220 W. 42d St.**

FOR CONTROL OF PAIN**ALLONAL "Roche"****A new NON-NARCOTIC Drug****ANALGESIC
SEDATIVE and HYPNOTIC**

Excellent results in painful affections, post-operative pains after extractions, pains of pulp, periostitic and periodontal pains, and in pre-operative work as a sedative for reducing the sensitiveness to pain in sensitive, nervous patients.

In larger doses it will not only quiet pain but produce sleep.

Bottles of
12 and 50 Tablets (2½ grs)

DOSAGE: As sedative,
1 to 2 Tablets. As
analgesic, hypnotic,
2 to 4 Tablets.

Supplies for trial and Literature will be furnished on request

The HOFFMANN-LA ROCHE CHEMICAL WORKS, NEW YORK

**BENKO
SIGNS**

Bronze and Aluminum
Cast Signs. Send for free
folder. Mention your
dealer, please.

BENKO BROS.

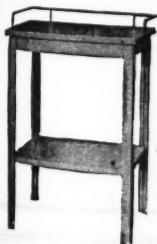
117 East 15th St., New York City



You can
fold it up
and walk
off with
it!

**The
McConnell
Dental
Chair**

Ask—Southern Novelty Works
Demorest, Ga.

**Patients Admire
Steelcraft Furniture**

A Steelcraft table like this is both good-looking and useful. The genuine porcelain top is removable for sterilizing, too. There is other Steelcraft furniture, too. Write us mentioning your dealer.

STEELCRAFT COMPANY

7880 Morrow St.,

Detroit, Mich.

Dealers write for terms.

Well?

Certified Enamel is the trade name of the silicate filling material produced under our fellowship in the Mellon Institute of Industrial Research.

All silicate filling materials having silica as a base are properly termed silicate filling materials.

Any statement to the contrary is pure camouflage and is made with the deliberate intent to deceive the unwary.

But there is a radical distinction between Certified Enamel and other silicate filling materials.

For Certified Enamel is the ADHESIVE silicate filling material.

LEE S. SMITH & SON
MFG. CO.
Pittsburgh, U. S. A.

**SMITH'S CERTIFIED
ENAMEL**
The Safe Silicate

As a matter of fact it is a silicate
CEMENT.

But it is the only silicate filling material which may properly be classed as a silicate *cement*, because it is the only *adhesive* silicate filling material.

And a silicate filling material that is *not* adhesive is as unfit for use as would be a non-adhesive copper or zinc cement for making crowns and bridges.

You would not think of using a non-adhesive cement for setting crowns and bridges, would you?

Well?



The way it acts.

*Frame Rotary Tooth Brush Cleans
Back as well as front of Teeth.*

Letter from a dentist who has tried it and
seen what other dentists think who have used it.

To the Profession;

The tremendous interest the first announcement of the Frame Rotary Tooth Brush has aroused among the members of the profession is most gratifying to me, as a director of the Frame Products Corporation.

I became interested in this company after a full investigation of the company and a thorough trial of the Rotary Brush and do believe that it is the best method yet devised for the home prophylactic treatment of the teeth and gums.

If you have not tried one on your own teeth, write at once to the Frame Products Corporation and have them send one for trial. There is a special price of \$3.50 to the dental profession and if you do not like it after a fair trial, return it and your money will be cheerfully refunded.

Yours truly,

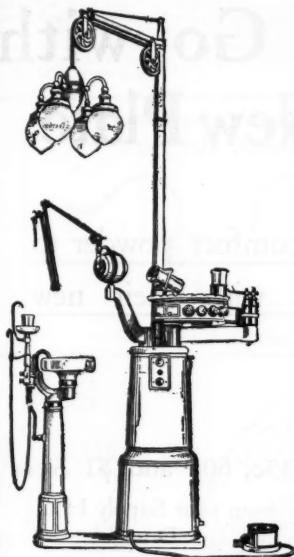
(Name on request.)

Frame Products Corporation

280 Madison Avenue

New York, N. Y.

Electro Dental Unit



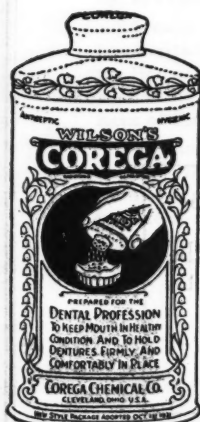
"Growth, not Replacement"

is the governing principle in the design of Electro Dental Units, Junior and Senior.

*Shown by all leading dealers
in dental equipment.*

A Small Can of *Wilson's Co-re-ga* Should Go with Each New Plate

A wonderful comfort powder to
assist patients with their new
dentures.



35c, 60c and \$1 Sizes
from your Supply House
or Druggist

MADE ONLY BY
COREGA CHEMICAL CO.
CLEVELAND, O.

Send for Sample

F. L. BENEDICT & CO., Montreal
Canadian Distributors

"The Green Special Flexible Hypodermic Needle"

None genuine without
the Log Trade Mark



Price
\$2.00 per dozen

The obvious fine point and flexibility precludes the possibility of pain when injecting, while with the ordinary hypodermic needle the coarseness of point and rigidity causes a tearing and dragging sensation, which is painful and frightens the patient. With the Green Special you have none of the above disagreeable features. Once used Always Used.

He Who Serves Best Profits Most

You get out of your practice in proportion to what you put into it. The Green Special Flexible Needle is the only humane hypodermic needle on the market. Never fails to win the everlasting gratitude of your patients. We always have the genuine and the imitations with us. Beware of the unscrupulous dealer who claims to have a substitute just as good. None genuine without the LOG trade mark.

The Green Special Flexible Needle



The 2 (in One) Needle

For Nasal Prophylaxis and all Skin Troubles

A most reliable and efficacious medicinal adjunct for gum massage and the treatment of pyorrhea, consisting of a well balanced combination of germicidal and healing constituents.

Antiseptic, Healing, Curative FORMULA:

Oil of Cassia, Oil of Sassafras, Oil of Clove, Oil of Wintergreen, Tincture of Myrrh, Camphor, Menthol. Superfine Petrolatum.

Subsequent to scaling roots. Irrigating and cleansing the surrounding area, inject the ointment into the pockets until it oozes at the gingival. Anoint your nostrils every night. This renders the nasal tract clean and healthy, relieves influenza, Hay fever, Catarrh, Colds and Headaches.



L. O. Green, D.D.S. Heyworth Bldg., Chicago, Ill.
Please send me full data on

- ☐ Needles
☐ Green's Antiseptic Ointment

Name

Address



Patent
Pending

13 to 1 Gear Ratio—speed and instantaneous, continued pressure. Flask attached direct to hub. Gets "into the swing" at once. Sturdy construction; will withstand hard use. Always ready.

The Rotary uses centrifugal force. Has no leaky valves or connections to cause sluggish pressure. *Clamp it to any table, desk or shelf.*

By using Rotary Casting Device, CA-RE Electric Furnace, Metcom, CA-RE Investment and our Cast-Clasp Gold, one-piece castings can be accurately produced.

PRICE—\$30.00 complete—5% discount if money accompanies order.

METCOM

for metal Master models. Poured direct into plaster impressions. Sets in 1 to 3 minutes. Records every detail in sharp, clear lines. No contraction. **PRICE—\$1.00 a lb., packed in 1½ and 4½ lb. cans.**

CAST CLASP GOLD

our own proven alloy. 19k. Recommended for clasps, removable bridges and bars. Non-contracting—non-expanding. Very dense and elastic. Beautiful in color and mirror-like finish.

Price \$1.50 a dwt.

CA-RE ELECTRIC FURNACE

will dissipate wax and moisture from a 1 to 2 inch flask in 7 to 10 minutes. Gives continuous uniform heat. Reaches 1100°-1150°F in 8 to 12 minutes. Simply invert flask in furnace. Wax will be *eliminated*, not burned out. This furnace will stand hard usage. Works on 110 Volt current, D. C. or A. C. Size: outside 5 in. x 3 in. Dimension of furnace 2½ in. by 2½ in.

PRICE—\$22.00—5% discount of money accompanies order.



JUDD TIME-CONTROL ELECTRIC SWITCH

gives definite time shut-off on any electric appliance. *1 second to 2 hours, with alarm.* Recommended for use on CA-RE Electric Furnace, electric sterilizers, etc.

*Literature on these
Casting Research
Products on
Request*

If Your Dealer Can't Supply You Order Direct.

CASTING RESEARCH, INC.

1482 Broadway,

New York, N. Y.

*"The more I use it,
the more I prize it."*

A progressive and wide awake dentist recently referred to the "passing" of the "mouth wash." Yet, upon his table was noted a bottle of Alkalol. When his attention was called to this he smiled and explained, "But, Alkalol is not a mouth wash, at least, not in the sense in which I understand the term. I use Alkalol constantly. I use it after extraction, during operation. I tell my patients to use it as a dentifrice, I use it myself and my family use it. Why? Because, in my opinion, the reason why Alkalol proves so useful is that it acts largely, if not entirely, to restore normal character and action to mouth secretions. You know the best antiseptic solution that can be used on a mucous membrane is its own normal secretion. Irritation in and about the mouth means over-stimulation, the secretion is increased in quantity, diminished in quality. The cells that furnish the secretion become exhausted and depleted. Alkalol seems to supply or feed these cells with the salts that they are in need of. It does not over-stimulate or relax; in fact, it seems to tone up relaxed tissues. It is deodorant and it has another effect which is best described by saying that it "freshens" the mouth. It is soothing and healing. That's why I keep it at hand and use it constantly."

Sample and literature on request.

The Alkalol Company

Taunton,

Mass.

*"They can't oxidize in
annealing or in the mouth."*



Casting golds with that distinction are worthy of very close investigation, for one could hardly afford not to investigate them. **NON-OXY-PLATIN CASTING GOLDS** are 1000 fine—and guaranteed not to oxidize.

THIS AD accompanied by your card, or a postal mentioning the ad, will bring details—highly interesting details—promptly.

Write now.

A. ADERER

819 L.A. Jewelers Exchange Bldg., Los Angeles, Cal.

THE CAMPHO-PHENIQUE PRODUCTS

CAMPHO-PHENIQUE POWDER possesses all the antiseptic, germicidal and anaesthetic properties of the liquid. It is a dry treatment for sores, wounds, galls and abrasions of the flesh, and is valued by physicians for the convenience with which it can be used in many external applications where bandages cannot well be applied. It is appropriate for all purposes except surgical operations.

If not obtainable at the Drug Stores, order direct. We will send to any Physician, Surgeon or Dentist anywhere in the United States, postpaid, on receipt of price.

CAMPHO-PHENIQUE LIQUID, 4-ounce size.....\$1.20

CAMPHO-PHENIQUE LIQUID, small size......30

CAMPHO-PHENIQUE POWDER, in sifter top cans......75

CAMPHO-PHENIQUE OINTMENT, 4-ounce cans..... 1.20

Samples mailed on request.

Address: CAMPHO-PHENIQUE CO., St. Louis, Mo.





You've heard
of Pandora's
box—it had
trouble in it--

But *this* box is
full of satisfaction

It is full of satisfaction for you and for your patients. Ill-fitting plates are a constant source of grief—everybody knows that. And everybody knows the gleeful satisfaction that a well-fitting denture brings—to both dentist and patient. Helps you to secure this much sought satisfaction.

This paste is a non-elastic, plas-

tic, vulcanizable paste, a little heavier than tooth paste, and is used for correcting the fit of artificial plates without the necessity of remaking the plate. Briefly, it is used as follows:

A sufficient amount of paste is placed on plate, and is pressed to place. The excess squeezes out and only enough remains on plate to compensate for the defect.

Flask with one pour; no opening of flask necessary.

Vulcanize same time and temperature as vulcanite rubber.

Full directions with each package; enough for six to ten cases. Price \$3.50.

Colors, red and black.

For sale by all dental supply houses. If ordering direct, send money order or draft. Address Dept. H., Pioneer Mfg. Co., Macon, Missouri.

B. P. P.

An
anae
tion
anae
vesse

The A

Dental

Ner

To
Waite
you V
Nerve
make y
profita
lessons
See off



Waiter's ANTISEPTIC LOCAL ANAESTHETIC **In Ampules!**

Ampules please patients because they know that the anaesthetic in the ampule is especially for them.

Ampules eliminate the waste of anaesthetic—prevent contamination which is apt to occur when anaesthetic is transferred from one vessel to another.

Being sterile, isotonic and antiseptic, Dr. R. B. Waiter's Antiseptic Local Anaesthetic is safest for both infiltration and nerve blocking.

Sample Box of Ampules FREE

on receipt of your professional card or letterhead. Mail the coupon.

Waiter's Anaesthetic is also sold in bottles.

The Antidolor Mfg. Co., 80 Main St., Springville, Erie Co., N. Y., U. S. A.

Foreign Agents:

Dental Manufacturing Co.,
London, Eng.

P. Grant Smith,
Durban, So Africa

Australian Drug Co.
Sydney, Aus.

Nerve Blocking Book FREE

To acquaint you with Dr. R. B. Waiter's Anaesthetic we will send you Waiter's Complete Book on Nerve Blocking which will quickly make you a master of this new and profitable science without private lessons or a post graduate course. See offer on coupon.

Check, Sign and Mail this Coupon

- ☐ Send me sample box of ampules, free.
- ☐ Ship the following order through

(Name of dental depot)

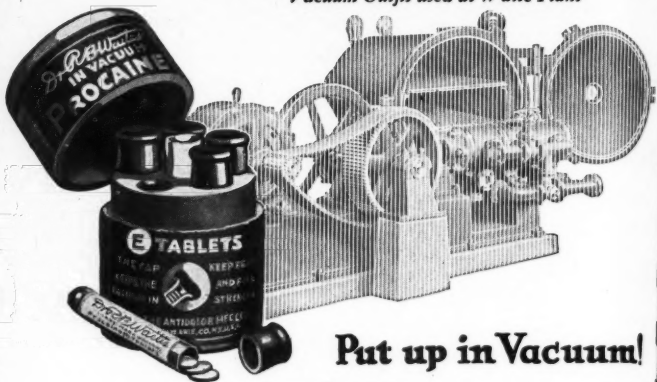
and mail me Waiter's Nerve Blocking Book FREE with any of the following offers.

- ☐ 12 ounces or ☐ 12 boxes 1 1/2 cc Ampules of Waiter's Local Anaesthetic \$8.40.
- ☐ 12 boxes 2 1/2 cc or ☐ 12 boxes 3 cc Ampules \$10.20.
- ☐ Waiter's Complete Nerve Blocking Outfit for making all injections. Value \$15.60, all for \$12.00.

Name.....

Address.....

Vacuum Outfit used at Waite Plant



Put up in Vacuum!

Waite's IN VACUUM PROCAINE TABLETS

Until we discovered our process, it was impossible to put up Procaine Tablets in vacuum on a commercial scale.

With our secret process perfected, at a cost of several thousand dollars, we installed a large electrically operated tandem vacuum pump which, with its large filling chamber (shown in above cut) enables us to take care of the tremendous demand.

Now you can buy Procaine Tablets that will not oxidize in the vial —tablets that will keep fresh and full strength indefinitely.

\$2 Package \$1

Introductory offer—\$2.00 package of 100 Waite's (E) Tablets, Procaine 0.02 gram —Epinephrine 0.00005 gram for \$1.00. See particulars on coupon.

The Antidolor Mfg. Co., 80 Main St., Springfield, Erie Co., N. Y., U. S. A.

Foreign Agents:

Dental Manufacturing Co., London, Eng.
P. Grant Smith, Durban, So. Africa
Australian Drug Co., Sydney, Aus.

Sign and Mail this Coupon

Enclose professional card or stationery. Only one order to a dentist—money returned to anyone ordering twice.

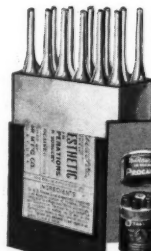
Antidolor Mfg. Co.,
Springfield, Erie Co., N. Y. U. S. A.

Enclosed find \$1.00 for which send me a \$2.00 package of 100 Dr. R. B. Waite's "In Vacuum" Procaine Tablets. I have not taken advantage of your offer before.

Name.....

Address.....

Waite's
Anaesthetics



In Ampoules

Procaine
Tablets

In Bottles

The Necessity for Surgically Clean Dental Floss—

The researches of modern dentistry clearly demonstrate the fact that Floss Silk must be Surgically Clean.

Used as ligatures beneath the gingival margin of the gums laceration of the tissue is frequently unavoidable, and in cleaning the spaces between the teeth the floss is often drawn beyond the free border of the gums.

While the mouth itself is not in an aseptic condition, yet it must be guarded with every possible care against the invasion of infection from without, and the use of any except surgically clean dental floss can be only a means for providing the source of such possible infection.

Johnson and Johnson manufacture dental floss silk within their own plant especially for use by the dental profession. Only the best quality of raw silk selected for the purpose is used, and it is prepared throughout under surgical methods.

New Era Floss is Surgically Clean, and the air tight glass container with rubber eyelet maintains this condition of surgical cleanliness. The selling price to the profession is, however, no higher than for the ordinary kinds.

New Era Floss (Surgically Clean) is put up in 12, 24, and 150 yard, Aseptic Glass Containers.

By specifying Johnson and Johnson's New Era you will be sure to obtain it.

Sold by leading dealers in dental supplies
in every country in the world.

JOHNSON & JOHNSON
New Brunswick, N. J., U. S. A.

Absesol
GILBERT'S

THE SPECIFIC FOR ABSCESSSED TEETH.
One or two treatments accomplishes a cure.

Price per package, \$1.00

GILBERT'S SOLDERING
FLUID

causes solder to flow just where you want it.

Price per bottle, 25c

Dentite
GILBERT'S

HOLDS ARTIFICIAL TEETH SECURELY IN
PLACE in the mouth at all times.

Price per package, 50c and \$1.00

GILBERT'S TEMPORARY
STOPPING

was first on the market and is recognized as the standard.

Price per package, 50c

Our guarantee means money back if you are not satisfied. If your dealer does not carry our goods we will mail them on receipt of price.

S. Eldred Gilbert

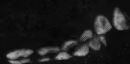
1627 Columbia Avenue
Philadelphia, Pa., U. S. A.

Correcting Mal-occlusion

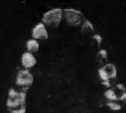
By the BACON TECHNIQUE

The patient whose case is pictured here is an eleven year old boy. It was a case very much like the ordinary one you see every day. The boy was under-size, very slow and dull in school and was continually sick with colds in the head. He was gradually becoming morose due to the ridicule inflicted by the other children at school.

BEFORE



Profile



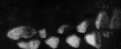
Upper



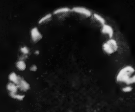
Lower

The two pictures shown represent the progress that was made in seven months' treatment of this lad according to the Bacon Technique. The boy suddenly started to grow rapidly and for the first time in his life began to bring home reports with grades of A and B. It has been a source of intense gratification to the parents that their child was corrected of his deformity and permitted to lead a healthy, normal, natural life. This is not an unusual case of the correcting of Mal-occlusion effected with Bacon regulating Appliances.

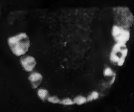
AFTER



Profile



Upper



Lower

Have You Received Your Copy of "The BACON TECHNIQUE of ORTHODONTIA?"

Since we have published this little book many dentists have for the first time received a clear understanding of just what the Bacon Technique is. The book is simply and clearly written. If you will drop us a card we will forward a copy to you promptly.

The BACON MANUFACTURING CO.

416 La Salle Building

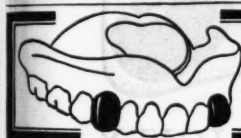
MINNEAPOLIS -:- MINNESOTA



PRACTICAL DENTAL ASSISTANTS COURSE—EARN MORE MONEY

Qualify for a better position through correspondence instruction. Every part of the work thoroughly covered. Free outfit. Free employment service. Easy terms. Many successful graduates. Write for 32 page catalog W. 7.

McCARRIE SCHOOL 34 W. Lake St., Chicago, Ill.



Gold Teeth for Artificial Plates

Send for circular showing sizes and quoting prices. They make plate work look like crown and bridge work on natural teeth. Used also for dummies on bridge work. Cost less to buy than to make.

Nelson Gold Teeth Co., 280 Henry St., Brooklyn, N. Y.

Silk-smooth inlay SAMPLE FREE — Gray Jacket

PIEPER DENTAL MFG. CO., 207 Garden City Bank, SAN JOSE, CALIFORNIA

What Is the Meaning of "No Make Overs"?

How often have you taken an impression and found it does not fit? Then you must "*Make Over*"—Your time wasted and your patient annoyed. *Send for a free sample of*

Dr. Tepper's Modeling Compound

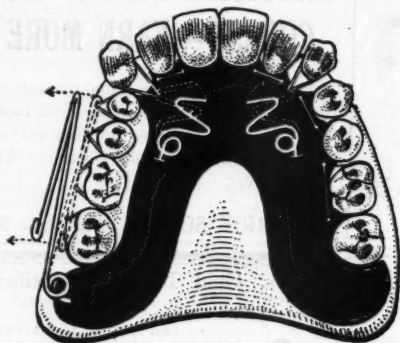
Exactly what the word implies. You model your compound at the first sitting, obtaining an exact photographic impression and "*No Make Overs.*"

For Sale at all dealers. 50c the Half-Pound

HEATLESS DENTAL WHEEL CO.

Long Island City, N. Y.

Makers of Heatless Dental Wheels



THE SIMPLICITY OF TOOTH MOVEMENT

We have evolved an entirely new principle in the construction of regulating appliances, the simplicity of which makes it possible for every dentist to include this most remunerative branch of dentistry in his general practice with absolute confidence and assurance and the certainty of perfect results. No experience necessary. We teach you step by step, and *if you follow our instructions you cannot fail.*

Our appliance must not be confused with any other appliance on the market, as there is no similarity.

Force, speed and limit of motion can be controlled absolutely. The maximum of force applied against a tooth is always decided *by the patient—hence, no sore teeth.*

With every appliance we send detailed drawings and explicit instructions, and follow the case through with you to its successful completion.

Send full upper and lower impressions—permit us to pour the models.

Appliances will cost from \$10.00 to \$30.00.

Continuous co-operation and service without additional cost.

See Dr. Berthold's series of articles on Orthodontia beginning in April Dental Facts.

REESE & WIEDHOFFT

. Prosthetic Specialists

215 N. Michigan Ave.

Chicago, Ill.



THE MASTER DENTURE

AT A SPECIAL PRICE

This Plate is creating a sensation.

Orders and re-orders are pouring in from all over the country. *Distance makes no difference.* We have customers in far distant states who are glad to wait for this master denture at this special price.

The entire palate is made of gold—well wired, looped and reinforced. The buccal and labial surfaces are produced in vulcanite, thus insuring a perfect "valve" peripheral fit. These dentures are beautifully and scientifically made, and always command a high fee from discriminating patients. *We stake our reputation on them. They possess all the advantages of a gold plate—plus the perfect fit of a rubber plate.* Price complete—including Trubyte teeth, Walker's carved Granular Gum, Traun's Gold Dust rubber, lingual carving to form tooth anatomy, trial, etc.—

Upper \$20.⁰⁰

Lower \$18.⁰⁰

Send perfect impression, wax bite and shade. The metal base with teeth set up in wax will be sent to you for trial before vulcanizing.

We guarantee that both you and your patient will be delighted with this beautiful denture.

Graduates:—Please send permanent address.
We have a message for you.

Write for price list and large book of beautiful color illustrations.

REESE & WIEDHOFFT
DENTAL LABORATORY

215 N. Michigan Ave.,

Chicago, Ill.

The Excellence of
Reynolds' Gold Products
Is Immediately Recognized by the
Discriminating Gold Worker



Filling Golds
 Shells

Solders

Plates

Casting Golds

For every dental requirement

Manufactured by

S. H. Reynolds Sons Company
 100 Boylston St. Boston, Mass.

Order of Your Dealer

Why Dental Colleges are putting this sterilizer on the "required" list.

If you have ever grown impatient waiting for a sterilizer to "heat up" you will appreciate the Flaherty Molten Metal Sterilizer.

In sterilizing equipment, speed and efficiency do not often go hand in hand. In the Flaherty, they do. The Flaherty is ready in from 2 to 4 minutes; it can be kept running all day at tiny cost. It affords absolute sterilization in from 5 to 10 seconds.

Dental Colleges are putting the Flaherty sterilizer on the "required list"—some of them for the fourth successive year—because it offers the one simple means of maintaining a perfect surgical asepsis in root-canal operations. If the Flaherty takes care of their requirements it will take care of yours equally well.

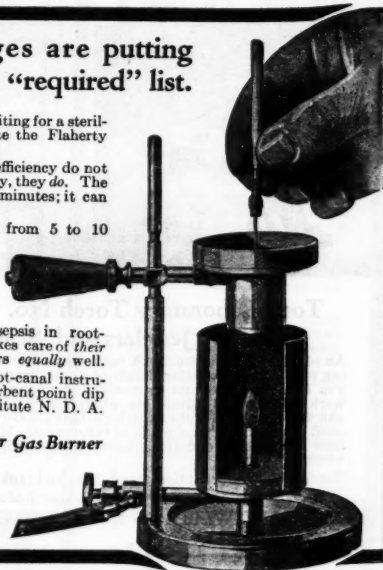
How It Works. To sterilize any root-canal instrument, cotton-wound broach or absorbent point dip into molten metal. Research Institute N. D. A. and other tests prove efficiency.

Price \$10.00. Specify Alcohol or Gas Burner

Order from your dealer or

The Flaherty Mfg. Co.

West Bend, Wisconsin



The Reynolds Rib-Anchor Attachment

is a combination pin and anchor plate for use with removable porcelain facings. This makes it unnecessary to carry a stock of various sizes of backings. To prepare the backing you simply cut a slot in a piece of 30 gauge sheet metal, large enough to receive the rib of the attachment. This is easily done with a rubber carborundum separating disc. The sheets are then trimmed to any size or shape that occasion demands. The two are then fastened together with sticky wax, (they become soldered together when the bridge is soldered).

We manufacture a Backing Plate which with the Rib-Anchor Attachment makes a complete backing in two pieces, both die-cut and fit together so perfectly that no wax is required to hold them together.

Rib-Anchor Attachments (Platine) per dozen..... \$2.00
Rib-Anchor Attachments (Gold) d. s. \$4.00

Backing Plates (Platine) per dozen.. \$2.00
Backing Plates (Gold) each Large... .63
Medium.....60c, Small.....50

BACKING PLATES

Write for samples. Order direct.
Discount to dealers.

LARGE

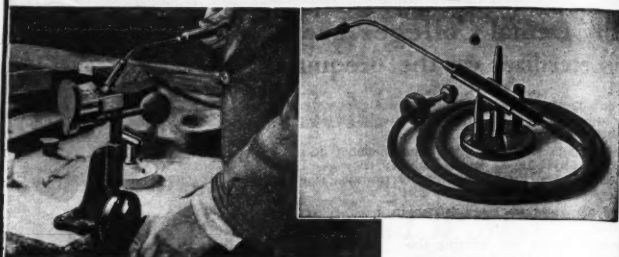
MEDIUM

SMALL

Western Metal Co.
Bloomington, Ill.



EXACT SIZE



Torit Laboratory Torch No. 36, for Dentists, Jewelers and Scientists

An ideal acetylene gas torch outfit for soldering crowns and bridges, heating wax and many other kinds of dental work. Ready for use the instant you light it. Note the convenient stand and 4 tips for different kinds of work. Particularly desirable where city gas is not available. A splendid use for discarded auto acetylene tanks. Outfit can be moved about and used any place in your office or laboratory. Hundreds of dentists find this a wonderfully handy time saving, money making **\$7.50** outfit.

Torch with 4 different tips, stand, hose and tank connection, only

Order from your jobber or

ST. PAUL WELDING & MANUFACTURING COMPANY

179 W. Third Street

St. Paul, Minn.

Nebo Impression Compound

This is the compound used by Dr. Ewell Neil in the wonderful

Bowen Technic,

the great sensation in prosthetic dentistry. Especially prepared for SECTIONAL IMPRESSIONS. Particularly adapted for use in Split Trays. It is very brittle, and can be easily broken and assembled so perfectly that it is almost impossible to see the fracture. As soft and smooth as satin, devoid of stickiness. Superior to any other compound for any purpose.

*The wonder compound that
is entirely different.*

PRICE—1 box \$1.00; 6 boxes \$5.65; 12 boxes \$11.00

J. H. Downie Company

714 Paschal St.

San Antonio, Texas, U. S. A.

New Products Wanted

Well established dental manufacturer wants opportunity to consider new inventions or formulae.

Please do not send with your first letter anything which must be returned to you.

Address "NEW" c/o ORAL HYGIENE, INC., Imperial Power Bldg., Pittsburgh, Pa.

Get the Free Sample—then you will know why nearly a quarter million jars have been used by the profession for abscessed teeth. J. A. Sprague & Co. Columbus, Ohio.



You Can Enjoy
**Operating
Comfort**
and do your work
more efficiently
with the help of

Waktassi
**Self Balancing
Instruments**
and
**Wachtler's Kool Kutting
Hand Stoned Burrs**

Work with them a few moments and you will wonder how you ever worked without them.

Try Waktassi Self Balancing Instruments in your own office. Write now for our **FREE TRIAL OFFER**

W. A. KELSEY
3525 Elliot Avenue South
Minneapolis, Minnesota

IPANA TOOTH PASTE

Heals Bleeding Gums

Thousands of your brother dentists use Ipana personally and insist that their patients use it, likewise.

You know that the care of the gums is an important part of oral hygiene.

You know, too, that sound teeth cannot remain so for long unless the gums are firm and healthy.

Ipana is beneficial to the entire oral cavity. Soft, spongy and bleeding gums respond quickly to its effectiveness.

Teeth become clean, white and brilliant from its use.

Ipana's smooth, snappy and delightful flavor invites the co-operation of children and grown-ups in making for a bettered oral condition.

*You and your patients
should know and
use IPANA*

A professional sample
awaits your card.

**BRISTOL-
MYERS CO**

42 Rector St.,
New York
City

*Makers of
Sal Hepatica*





The Weber Standard Unit Model

THIS popular model embraces only the most important utilities such as ENGINE, FOUNTAIN CUSPIDOR, DENTAL LIGHT, INSTRUMENT TABLE, BUNSEN BURNER, PIPES FOR AIR AND GAS.

Price not including the Engine.....\$190.00

Any Electric Engine, either overhead or wall-bracket type, can be attached.

A set of beautiful illustrations of other models which we make will be sent to you cheerfully, without obligation on your part, if you will drop us a card.

The Weber Dental Manufacturing Co., Canton, O.

METSAN



Not One Drop Lost

When using Metsan Syringes you are sure that every drop of your solution reaches the area of injection. They just won't leak!

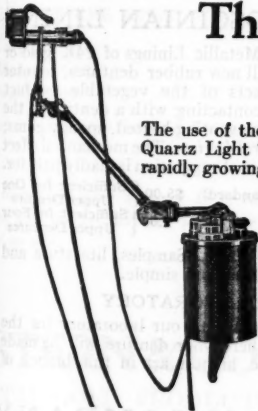
Metsan Dental Mfg. Company, 211-A East 62 Street, New York City
Send me that 32-page booklet describing complete syringe and needle equipment—free.

Dr. _____

Address _____

OH-5-23

The Kromayer Lamp



The use of the Kromayer Lamp as a producer of Quartz Light Therapy in the dental profession is rapidly growing.

It is the highest producer of Ultra Violet Rays and its field of indication covers pathological conditions of the mouth, especially that of pyorrhea. It is very valuable after extraction and reduces the post-operative pain.

We have some very interesting literature on this subject which we will be pleased to send to you upon request for booklet "R".

Hanovia Chemical & Mfg. Co.

Newark, N. J.

Branch Offices—New York, Chicago, San Francisco

The world's standard—

HARVARD CEMENTS

Harvard Cement
The Standard Filling
Material

Harvard Quicksetting
for Porcelain and Gold Cast
Inlays,
Crown and Bridge Work

Harvardid
Synthetic Silicate
(Translucent)

Sole Agents for the United States

L. A. & W. H. THOENE

1513 N. Thirteenth Street

Philadelphia, Pa.

The genuine contains the signature

L. A. & W. H. Thoene

At your dealers or from us direct

EVERY CLOUD A SILVER LINING EVERY PLATE A ROSCINIAN LINING

THE Roscinian Linings are Metallic Linings of 24K gold or aluminum to be used on all new rubber dentures, counteracting the deleterious effects of the vegetable product caoutchouc, on the palatal tissues contacting with a denture in the oral cavity; especially valuable in preventing heated, spongy gums; producing and sustaining a strictly *oral hygiene*. The mechanical effect is really beautiful and your professional suggestion is gladly paid for.

The Roscinian Gold Lining XX (Our Standard)	\$5.00	{ Sufficient for One Upper Denture
The Roscinian Felt Aluminum Lining	2.00	

Q Buy from your dealer or remit direct. Samples, literature and directions awaiting your request. Directions simple.

INSTRUCT YOUR LABORATORY

Q If necessary, send your lining cases to our laboratory for the Roscinian Linings to be put on, where your denture will be made and finished, representative of the highest art in this branch of prosthetic dentistry.

THE ROSCINIAN COMPANY

Metallurgists and Manufacturers
of Metallic Linings

8003 Woodland Avenue, S. E.,
Cleveland, Ohio, U. S. A.

Manufacturers to the Nobility of the Profession

A New Stern Lingual Bar without bulky corrugations



Its ends are not corrugated on the sides, hence they take up less room in the vulcanite. Maximum retention is effected by the notches at the top and bottom and by the "ARROW-HEAD" cut-out in connection with the split ends which can be easily bent as desired.

With the co-operation of the largest laboratories, we have made its entire shape of a special design to conform to the arch with the least lingual obstruction,—its anterior surface is flat.

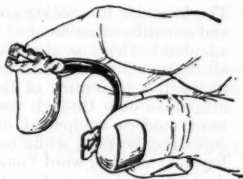
We are proud of this new lingual bar as an achievement in designing an appliance which is in all respects worthy of your highest skill.

MADE IN THREE SIZES:

- Large \$2.50
- Medium \$2.25
- Small \$2.00

An extra large may be had for special cases.

Order them from your dealer. If he cannot give you prompt service, please write us and we will.



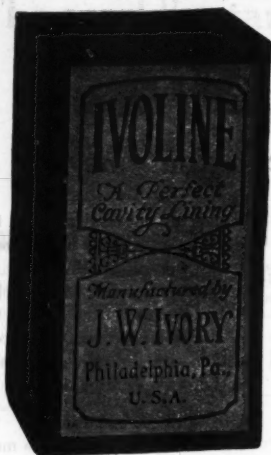
It is the stiffest bar to be had.

As a result, the function of a bar of holding the denture parts in their original relative position is accomplished most successfully.

The tough clasp metal from which it is made is a platinized gold.

L. STERN & CO.
DENTAL GOLD PRODUCTS

104 West 116th Street
New York City



At Last!

a perfect cavity lining

IVOLINE

This is a new product you will like.

It is worthy of a trial.

Once used—no other will do.

Protect all fillings during early stages of hardening.

All dealers.

J. W. Ivory

Philadelphia, U. S. A.

A Word on Chayes' Golds and Their Manufacture

The formulæ for casting golds evolved by the painstaking research and scientific experiment of Herman E. S. Chayes, D.D.S. are nicely adapted to the class of work taught by their originator. These golds all contain platinum and are manufactured solely by us. This is, in itself, a guarantee of their absolute uniformity—an uniformity attainable only through manufacture in a large way and with the most modern equipment obtainable. The size of our plant presupposes the first, while our equipment of apparatus goes a little beyond even the word "modern" for much of it is exclusive.

And this is a description of the golds themselves: Chayes' A, for inlays in children's teeth, and those of adults where these are in normal occlusion. Chayes' B, for cast bases and for inlays in teeth of adults where these are in *abnormal* occlusion. Chayes' C, for inlays in teeth which are to be used as abutments. Chayes' D, for small and Chayes' E for large saddles.



We shall be glad to answer your questions, doctor.

BAKER & CO., INC.

54 Austin St., Newark, N. J.
5 So. Wabash Ave., Chicago
80 Church St., New York

Fig.
section
porous
porous
absorption
sorts of
it does

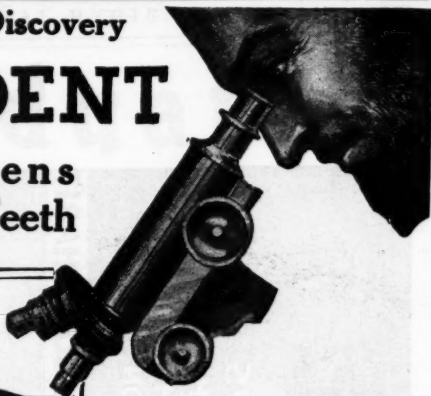
Fig. II.
tooth, the
saliva of
The light
partially

Fig. III.
tooth, treat
and ACI
become al
indicated b
ingly show
teeth, prev
stain, also

Scientific Discovery

ACIDENT

Hardens Soft Teeth



How Accident Solidifies Teeth

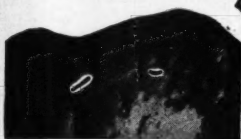


Fig. I. A microphotograph of a cross section of tooth enamel of a naturally porous tooth. The dark area shows the porous structure. It is caused by the absorption of a stain. This porous area absorbs destructive acids just as readily as it does the stain.

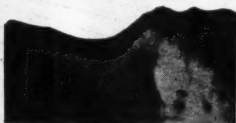


Fig. II. Another section of the same tooth, treated for thirty days with the saliva of a person free from tooth decay. The light area shows how the saliva has partially solidified the porous tooth.

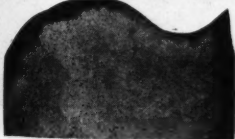


Fig. III. A third section of the same tooth, treated for thirty days with saliva and ACIDENT. Note how tooth has become almost completely solidified, as indicated by white area. This convincingly shows how ACIDENT solidifies the teeth, preventing the penetration of the stain, also of destructive acids.

All teeth are soft when cut through the gums. Unless the saliva hardens them, they soon decay. When the saliva is lacking in hardening substance, **ACIDENT** Tooth Paste supplies the need.

ACIDENT Tooth Paste embodies the latest method of attacking that tooth softening film (instantly curdling it) and by actually hardening the teeth counteracts the injury done, thus preventing tooth decay.

ACIDENT Tooth Paste is especially valuable for children's teeth because they are naturally soft and porous, and decay readily unless hardened. Samples and literature mailed on request.

W. M. RUTHRAUFF CO.

Dept. 75

22nd and Arch Streets,
Philadelphia Pa.

W. M. RUTHRAUFF CO., DEPT. 75,
22nd and Arch Streets, Philadelphia, Pa.

Please send me literature on **ACIDENT**,
with samples.

Name.....

Address.....


Scientific Discovery

ACCIDENT

TAVORIS

KEEPS
THE MOUTH AND THROAT IN
A CLEAN AND HEALTHY
CONDITION

ENCOURAGES A GOOD HABIT



TAVORIS CHEMICAL COMPANY
MINNEAPOLIS, MINN. TORONTO, ONT.

Her
mac
ous
piec
just
repe
cabin
cost
a cho
gray
The
CER
Varnish
SMI
CER
CER
RAD
l packe
l box C
l box Co
Colorom
Guide),
strument
Jados
double
Glass Mi
instrume
Glass, 1 B
patula, 2
las, 1
Cement T

Graduates!

Here's a big cabinet of Smith's Certified Products, specially made up for you who are entering practise, containing numerous things that you will need daily. The cabinet is a handsome piece of equipment, and costs you nothing—confidentially, we just want you to *start* using Smith's Certified Products; your repeat orders will take care of themselves. The contents of the cabinet, if various units were purchased separately, would cost \$46.80; the price complete is, however, \$30.00. You have a choice of cabinets in mahogany finish, or golden oak or pearl-gray oak or white enamel.

The cabinet contains:

CERTIFIED ENAMEL, 6 bottles Powder, 5 bottles Liquid, 2 bottles Varnish.

SMITH'S COPPER CEMENT, 6 bottles Powder, 4 bottles Liquid.

CERTIFIED MEDI-CEMENT, 2 bottles Powder, 1 bottle Liquid.

CERTIFIED MODEL CEMENT, 1 bottle Powder, 1 bottle Liquid.

RADIOPAQUE, 1 bottle Powder, 1 bottle Liquid.

1 package Jiffy Tubes No. 1,

1 box Celluloid Strips,

1 box Cocoa Butter, 1

Colorometer (Shade

Guide), 3 Jadosa In-

struments, single end,

1 Jadosa Instrument,

double end, 1 clear

Glass Mixing Slab, 1

Instrument Rack, Opal

Glass, 1 Brazilian Agate

spatula, 2 Bone Spat-

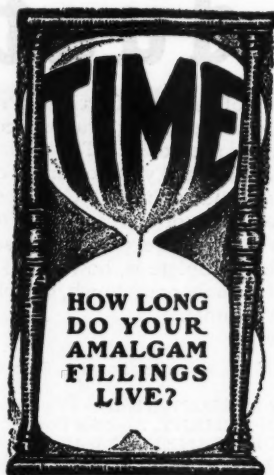
ulas, 1 box Jiffy

Cement Tubes.



Order from any good dental dealer or

LEE S. SMITH & SON MFG. CO.,
PITTSBURGH, U. S. A.



CRESCENT ALLOY

THE TOOTH SAVER

Makes an Enduring Filling.

It has been used in dental practice round the world for more than 30 years.

THE REASONS WHY—Pure Ingredients, Perfect Color, No Discoloration, No Shrinkage, Ample Edge Strength, Fine Working Qualities.

Five Oz. Jar, \$9.00

One Oz. Bottle, \$2.00

At all Dental Depots

1 UNION SQ.



NEW YORK



U. S. Pat. Nos. 775478 and 845822

***They save you
time and
money, too***

Hygienic Dental Head Rest Pads cost at the rate of only \$1.50 per 200 sittings; just before the patient gets into your chair, you tear one sheet from each pad—providing a fresh, clean surface.

What does it cost to buy, launder and replace old-style head rest napkins? How long does it take to change old-style napkins, between sittings?

Phone your dealer to send Hygienics now.

Made of 2 grades of paper.

Our No. 2 pads are white crepe paper.

Our No. 4 pads are impervious paper.

Either style \$1.50 per box. Two pairs to a box, enough for 200 sittings.

Gustav Scharmann, 1181 Broadway, New York, or at your dealer.

Trench Mouth Disease



STEARNS' ASTRINGOSOL

For troublesome cases of Pyorrhea and Trench Mouth Disease many successful dentists are using Stearns' Astringosol with great success.

Also useful in the treatment of receding, inflamed, soft, spongy or bleeding gums.

A refreshing, antiseptic, and corrective
MOUTH WASH.

Excellent as a spray after extraction and as a gargle for simple sore throat.

Manufactured by

**Frederick Stearns &
Company**

Manufacturing Pharmacists

Established 1855

Detroit

Michigan

*"The very best
I ever used"*

DR. KIDDER'S Enlarged Cervical Edge MATRIX STRIPS

"Just a line to let you know that I am using your matrix strips all the time now, have discarded the ——— matrix bands and holder, as I like yours the best. I never could put in a decent approximal filling without a matrix of

The Strip



some kind, and I want you to know that I think yours is the very best I ever used.

I thank you for the samples and I now get them through my dealer. I also use one of your Sectional Impression Trays and must say it is all that anyone could want and what you claim for it."

Another User Writes:

"Received your samples of Matrix Strips and are the finest things I ever used. Enclose 50c for a box of them."



How It Works

"Get Perfect Contact Points:"



"I find the Kidder Matrix a practical device and get perfect contact points on Amalgam Restorations without any sign of overlapping margins. For a sanitary appliance and a great time saver, I have used none better."

Every dentist who uses Dr Kidder's Matrix Strips once, will have no other. Let us send you some samples so you can try them out yourself—or get a box from your dealer or direct.

50c a box of 60 strips.

Kidder's Sectional Impression Tray is another favorite with dentists who strive for fine work. It will give a perfect impression in any case.

3 styles—\$1.00 each.

Your Dealer or Direct.

Literature on request.

In Canada—Ash-Temple Co. Ltd.,
Temple-Pattison Co. Ltd.

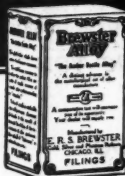
W. N. KIDDER

433 Westminster St.

Providence, R. I.

Brewster Alloy

It retains its bright color in the mouth to a remarkable degree—a certain proof the metals are absolutely pure and the formula correct.



E. R. S. BREWSTER
CHICAGO



Relieves You

The WHEELER ANATOMICAL ARTICULATOR relieves you of most of your articulation troubles; easy to handle; no complicated adjustments to get any movements; a timesaver; well made in brass, nickel-dipped; those who use it are enthusiastic. Direct or thru dealer at \$5; send check or money-order if ordering direct; return in 5 days if not satisfactory.

I. R. WHEELER, D. D. S.
301 Kennedy Bldg., Brockton, Mass.



\$5

(Pat. Pend.)

CLAREN
Pa
Please send
Conception
Name
Address

CLARENCE A. O'BRIEN

PATENT ATTORNEY

REGISTERED IN UNITED STATES PATENT OFFICE

MEMBER OF THE BAR OF

SUPREME COURT OF UNITED STATES — COURT OF APPEALS DISTRICT OF COLUMBIA

SUPREME COURT DISTRICT OF COLUMBIA — UNITED STATES COURT OF CLAIMS

PRACTICE CONFINED TO PATENTS AND TRADE MARKS

PATENTS

Any new article, machine, design or improvement thereof, or any new combination of parts or improvements in any known article which increases its efficiency or usefulness, may be patented if it involves invention.

If You Have Any New Ideas

which you feel are useful, practical and novel, *take prompt action toward protecting your rights.* If you have invented any new machine, or new combination of parts or improvements, or new process or design,

Send Drawing, Model or Description

of it for information as to procedure to secure protection. **Write Today For Blank Form**

"Evidence of Conception"

to be returned to me with drawing, description or model of your idea. Promptly upon receipt by me of your idea I will write you fully as to procedure and costs.

No Charge for the Above Information

All communications are held in strict confidence. My personal, careful and thorough attention is given to each case. I offer you efficient, reliable and prompt service—based upon practical experience. *Highest references.*

Write today for free book, "*How to Obtain a Patent.*" This book will give you valuable information, and it may save you much time and effort. *Send for it NOW.*

My practice is devoted exclusively to United States and foreign patents and trade-marks. Very probably I can help you. Write today.

Clarence A. O'Brien, Registered Patent Attorney

107 Southern Building, Washington, D. C.

CLARENCE A. O'BRIEN, 107 Southern Bldg.,

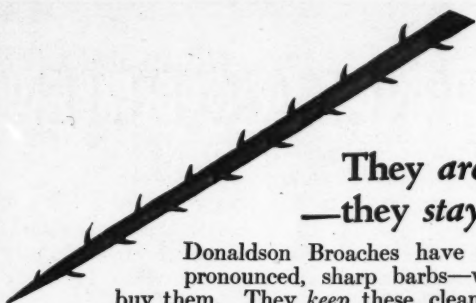
Patent Attorney, Washington, D. C.

Please send me your free book, "*How to Obtain a Patent,*" and blank form "*Evidence of Conception*" without any obligation on my part.

Name

Address

(WRITE CLEARLY)



**They are good
—they stay good**

Donaldson Broaches have clean-cut, pronounced, sharp barbs—when you buy them. They *keep* these clean-cut, pronounced, sharp barbs longer than you expect them to—for Donaldson Broaches wear well. Good steel does that; we know steel, for we've been making Donaldsons for more than 30 years.

Your dealer can supply you.

DONALDSON

DONALDSON DENTAL MFG. COMPANY

1904 M Street, N. W.,

Washington, D. C.



A STRONGER, *solid* backing at less cost—make it yourself with the Moeller Plier. Sold on 30 days' trial on money back guarantee basis. Ask us for details, mentioning your dealer. If ordered direct remittance for \$7.00 should accompany order.

Moeller Specialty Company
Elyria, Ohio



THIS big, roomy coupon brings your free testing sample of **DENTISTS' FRIEND**—and you'll say it *is* a real friend when you find how it cleans and polishes teeth, plates, crowns *and* instruments—without scratching, because it's harmless; it contains no acid.

Dr.

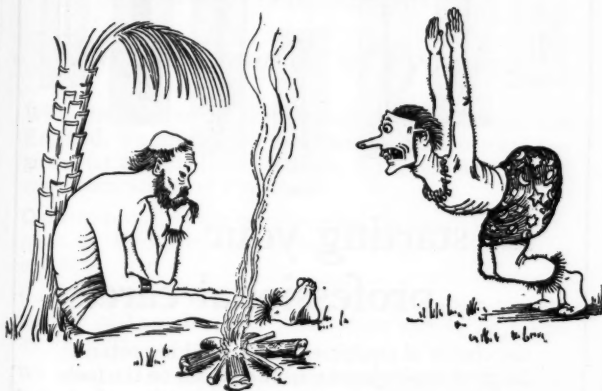
Address

Dealer

The Gilcrest Company, 2052 Market St., San Francisco, Calif. Thru your dealer or direct on receipt of price, 75c.

The sample is free though.

in the dawn of healing



all primitive medicine was suggestive medicine

The ancient medicine man with his strangling smokes, weird noises and terrifying faces depended for results upon impressions on the minds of the suffering patient.

To-day—the doctor's cheery assurance of recovery is still suggestive medicine.

With Gum Lyke there is no need of the idea of suggestion for

GUM LYKE is *gum like*

not an imitation but a duplication

The dental rubber of which it is said
"Looks as if it would bleed if it were cut"

A PERFECT REPRODUCTION OF THE HUMAN GUM

Exact in its color, even showing the delicate tracery of the blood vessels.

At all dealers, \$2.50 the quarter pound.

Industrial Rubber Corporation

Long Island City, N. Y.

Makers of Better Dental Rubber

*Ask for sample
It's free*



In starting your professional career

the choice of equipment is of vital importance. As great dependence must be placed on the tools and instruments you use, consider them from the standpoint of service. It is the service they render and not simply the articles themselves that give them their value.

GREEN DIAMOND

POINTS STONES STUMPS DISKS

must serve to the entire satisfaction of the practitioner. On this their reputation has been built.

It has resulted in the use of more Green Diamond Dental abrasives than any other brand. That they serve satisfactorily is apparent. Low price is an added advantage.

A few of the shapes are shown in the illustration. The Green Diamond folder should prove of interest to you—sent upon request.

Your Dealer or Direct.

A. P. DE SANNO & SON

1615-23 McKEAN STREET, PHILADELPHIA, U. S. A.

Forhan's

FOR THE GUMS

For the Conquest of Pyorrhea

With the dentists of the United States, Canada and England, we are working in the interests of oral hygiene, for sound, healthy teeth, for gums and bodies uncontaminated by Pyorrhea.

Our two products are compounded for use in the treatment of Pyorrhetic conditions. They are scientific and safe.

Our advertising is a message to the public on the menace of Pyorrhea and what steps should be taken for its prevention.

We speak most frankly now of the odds in favor of Pyorrhea—odds of 4 to 1 against all persons over forty.

It will be a happy day for us when we can say, publicly, that only 3 out of every 5, or 2 out of every 5, are endangered instead of 4 out of every 5 as now.

In other words, we are working with you to bring down the odds, and in all our national advertising, we are advising the public to visit dentists at least twice a year for tooth and gum inspection.

Forhan's Pyorrhea Astringent is compounded to the formula of Dr. R. J. Forhan, and sold only to dentists to insure its restriction to professional use.

Formula R. J. Forhan, D. D. S.

Forhan Company

New York N.Y.

FORHAN'S, LTD.
MONTREAL

KNAPP INVESTMENT

The original Knapp Investment comes only in BLUE BOXES, and is manufactured solely by us according to the formulas worked out by Dr. K. W. Knapp, of Kansas City. You cannot get full benefit from the Knapp Technic without the proper investment.

At your dealer's

Price No. 1 or No. 2—\$1.00 per can.

M. F. Patterson Dental Supply Co.

406 Sixth Ave. So., Minneapolis, Minn.

*Mail this ad for a copy of
Dr. Knapp's booklet.*

Brewster Cement

The powder may be drawn into the liquid in any quantity, and mixed—just like you would mix paint and oil. It is not necessary to draw in a little powder at a time and spatulate well. Now being sold in every city in the U. S.

*Ask Your
Dealer*



**E. R. S. BREWSTER
CHICAGO**

ANNOUNCING

REDI-MADE
PATENT APPLIED FOR

Root Facings



A perfectly baked integral Root Facing! Ready to use without additional baking! INTERCHANGEABLE! Anatomically correct! Incisal may be beveled! No backings required! Maintains a healthy condition of underlying tissues!

Made of

Justi's High Fusing Porcelain!

REDI-MADE Root Facings are Ready-Made!

Consult your dealer!

For description, indication, technique, advantages, etc. **FULLY ILLUSTRATED**, address

DIXIE DENTAL MFG. CO.

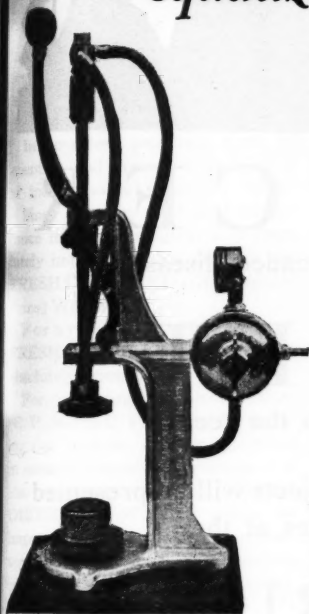
Brown Marx Building,

Birmingham, Ala.

For labor

We also n
laborator
ing comp
with pum

Not just pressure—but *equalized* pressure—



No. 1 Machine

For laboratories in buildings supplying compressed air.

We also make a No. 2 Machine for laboratories in buildings not supplying compressed air. This is equipped with pump.

When pressure is concentrated directly over the sprue hole—the mould often fills with air, forcing the *metal* away, leaving sprue holes of gates uncovered.

How the Burns overcomes this.

The plunger of the Burns is fitted with an air-deflecting thimble. This, in conjunction with the cushion chamber in the plunger cap, distributes an equalized air pressure over the entire area of the top of the flask.

This positive, *uniform* pressure helps the Burns produce the *uniform* results that have won it preference by the U. S. Government, practically every dental college and a host of private practitioners.

Burns Dental Casting
Machine Co., Inc.,

Factory 88 State Street,
Flushing, New York City

Sold by dealers.

Get the whole story—
a brief, interesting,
instructive booklet free.



CANCER

The most dreaded disease.

DIET

Relating to the teeth.

And many other subjects will be presented
by eminent authorities at the

AMERICAN DENTAL ASSOCIATION

At Cleveland, Sept. 10-14

You cannot afford to miss them.
Write for Hotel Reservations now.

Dis
and

Chem
lutely fr
organic
one of th
dentistry

In co
scientific
of indis

Since
tance in
lutely in
FRESH
Pure) V

For h
FRESH
absolute

For p
(C. P. Sa

ing out
in cases

also abs
DISTIL

importan

antisepti

instrume

tinctures

With

GIENIC

the disti

purity wi

your pra
The

Distilled Water For Laboratories and Dental Offices

Chemically pure Water—absolutely free from any trace of gaseous, organic or inorganic impurities—is one of the real necessities in modern dentistry.

In countless processes, both of scientific and operative work, it is of indispensable value.

Since accuracy is of vital importance in dental surgery, it is absolutely imperative that dentists use **FRESH DISTILLED (Chemically Pure) WATER.**

For hypodermic injections, **FRESH DISTILLED WATER** is absolutely essential.

For preparing Saline Solution, (C. P. Salt in C. P. Water) for washing out wounds, and for injections in cases of excessive hemorrhage it is also absolutely essential. **FRESH DISTILLED WATER** plays an important part in making your own antiseptic solutions, for washing instruments, and diluting alcohol, tinctures, etc.

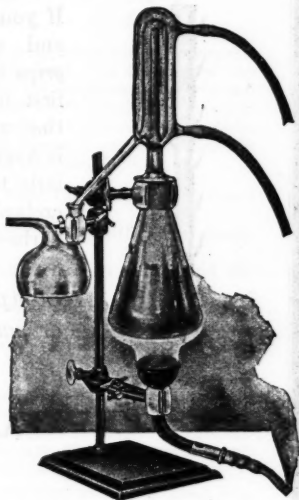
With the aid of the **STACO HYGIENIC STILL** you can prepare the distilled water of *absolute* purity without taking any time from your practice.

The "STACO" is constructed

entirely of Pyrex glass; no rubber or metal comes into contact with the vapors of distillation.

It is not fragile, but heavy walled; it possesses the same heat-and shock-resisting qualities that have made Pyrex wares famous.

Dentists' Model-250 CC. (8 oz.) capacity. Complete, as illustrated; Price, post paid, \$15.00.



Order from your dealer

STAIGER & COMPANY

147-149 East 86th Street
NEW YORK CITY

Write for interesting pamphlet on chemically pure water for scientific purposes.

*There is
only*
one word



If you like a broach that is strong and supple—*muscular*—and that *grips* in a way unique and new to first-users, there is only one word that will get it for you—that word is ASKO—the broach with the peculiarly tenacious grip—due to Askolite's *exclusive* feature, the bend in the barbs—see the “hooks”?

*Samples free—send your card
or postal.*

A. S. KOCH & SONS

Lancaster, Pa.

Trade Mark



Registered

ASKO

Announcing A Correspondence Course

By J. H. DOWNIE, D. D. S.

On

Special Original Topics

The course will include the following subjects:

Compounds, and Compound Technic

The Downie Lock Denture

The Bowen-Neil Technic

Price of the Complete Course . . . \$20.00

Price of any one subject . . . \$10.00

Price of any two subjects . . . \$15.00

Dr. Downie has spent 35 years using, originating, experimenting with and manufacturing Compound. As founder of the Detroit Dental Mfg. Co., he was the originator of Perfection Impression Material, now sold under another name. He is also the originator of Downie's Impression Compound and Nebo Impression Compound. He will discuss Compound from the viewpoint of both the Dentist and the Manufacturer.

He will tell you about Nebo Compound for Sectional Impressions.

He will tell you how to make plates with the maximum of suction.

He will tell you the cause of misfit plates, and the prevention.

He will save you the trouble and expense of going to clinics to learn how to "correct" plaster impressions.

He will give you the most complete treatise on Compound ever written.

The Downie Lock Denture for upper partial cases actually locks into position, and cannot be displaced except when the wearer desires to remove it. No telescope crowns or clasps. No display of gold. More practical, more sanitary, than bridge-work, and applicable to a far greater range of cases.

The Bowen-Neil Technic for Lower Dentures is the great sensation in Prosthetic Dentistry.

By this technic lower dentures are made, for even the flattest of mouths, with which the wearer can eat corn off the cob, or chew fried chicken off the bone. No force incident to mastication can dislodge them.

Address Dr. J. H. DOWNIE,

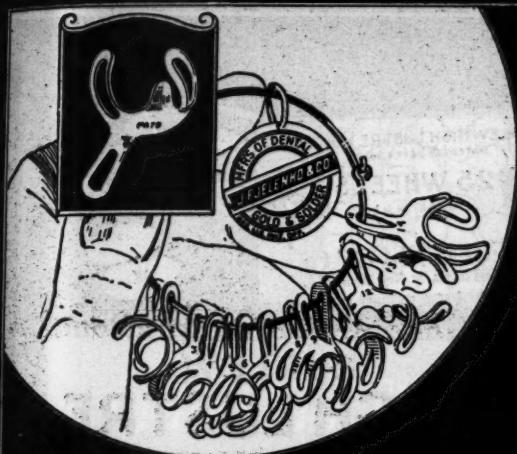
402 E. Ashby Place,

San Antonio. Texas

Index To Advertisers

	Page		Page
Abbott Laboratories.....	797	Kings Specialty Co.....	800-812
Aderer, A.....	757	Koch & Sons, A. S.....	790
Alkalol Company.....	757	Lambert Pharmacal Co.....	713
American Cabinet Company.....	798	Lathrop & Co. H. R.....	742-3
American Dental Association.....	788	Lavoris Chemical Co.....	776
American Platinum Works.....	732	Lawrence's Amalgam.....	739
American Tooth Brush Co.....	732	Lehn & Fink, Inc.....	717
Antidolor Mfg. Co.....	759-780	Leiman Brothers.....	818
Atlantic Rubber Mfg. Co.....	713	Lincoln Dental Mfg. Co.....	812
Bacon Mfg. Co.....	762	McCarrie School of Mech. Dentistry.....	763-810
Baker & Co.....	774	McCormick Rubber Co., E. J.....	738
Bauer Chemical Co.....	715	McKesson & Robbins.....	806
Benko Brothers.....	732	Masel, Isaac.....	734
Bermuda Board of Trade.....	Sepia	Medical Protective Co.....	795
Berry Dental Laby.....	808	Meier Dental Mfg. Co.....	809
Bodee Dental Institute.....	810	Metsan Dental Mfg. Co.....	771-Sepia
Brewster, E. R. S.....	780-786	Metz Labys, H. A.....	826
Bristol-Myers Co.....	769-799	Mizzy, Inc.....	734-778-816
Brown Dental Mfg. Co. A. A.....	821	Modern Dental Specialty Co.....	802
Buffalo Dental Mfg. Co.....	801	Moeller Specialty Co.....	782
Burns Dental Casting Machine Co.....	787	Mu-Col Co.....	790
Campho Phenique Co.....	757	Nelson Gold Tooth Co.....	763
Castle Co., Wilmot.....	735	Ney Co., J. M.....	664
Casting Research Co.....	756	ORAL HYGIENE Bulletin.....	663
Central Laboratories.....	822	Oral Laboratories.....	738
Chemical Products Co.....	794	O'Brien, Clarence A.....	781
Clark & Co., A. C.....	796	Ostermeier, G. A.....	817
Classified Ads.....	824	Paper Saliva Ejector Co.....	818
Colgate & Co.....	719	Patterson Dental Supply Co., M. F.....	786-740-814-Sepia
Columbus Dental Mfg. Co.....	828		723-Sepia
Connecticut Coat & Cover Co.....	810	Pepsodent Company.....	739
Corega Chemical Co.....	754	Petry Retainer Co., Jacob.....	763
Crane & Co.....	819	Pieper Dental Mfg. Co.....	758
Crescent Dental Mfg. Co.....	803	Pioneer Mfg. Co.....	823
Crutcher Dental Mfg. Co., T. M.....	800	Platt, D. L.....	820
Dee & Co., Thos. J.....	825	Prest-O-Lite Mfg. Co.....	727
Dental Pharmaceutical Co.....	Sepia	Public Service Cup Co.....	764-5
Dental Products Co.....	661	Reese & Wiedhofft.....	766
Dental Specialty Co.....	722	Reynolds Co., S. H.....	794
Dentinol & Pyorrhoeide Co.....	2nd cover	Riddle & Wise.....	720-1
Dentists Supply Co.....	730-1-Sepia	Ritter Dental Mfg. Co.....	772
Dent Medic Laboratory.....	733	Roscinian Co.....	775
deSanno & Hoskins.....	805	Ruthrauff Co., W. M.....	810
deSanno & Son A. P.....	784	Santiseptic Mfg. Co.....	779-816
Detroit Dental Mfg. Co.....	814	Scharmann, Gustav.....	749
Dixie Dental Mfg. Co.....	786	School of Mech. Dentistry.....	819
Doherty Rubber Works, Eugene.....	802	Sholty Printing Co.....	773
Donaldson Dental Mfg. Co.....	782	Smith & Son Mfg. Co., Lee S.....	728-9-734-736-7-744-5-750-1-771
Downie Co., J. H.....	768-791	Sodiphene Co.....	Sepia
Dresch Laboratories.....	807	Southern Novelty Works.....	732
Drucker Co., August E.....	714	Specialty Mfg. Co.....	814
Edwards X-Ray Corp.....	662	Sprague & Co., J. A.....	769
Electro Dental Mfg. Co.....	753	Spyco Smelting & Refining Co. 3rd cover.....	768
Electro Products Co.....		St. Paul Welding Co.....	780
Eureka Suction Co.....	814	Staiger & Co.....	779
Flaherty Mfg. Co.....	767	Stearns & Co. Fredk.....	749
Florence Mfg. Co.....	4th cover	Steelcraft Co.....	734
Forham Company.....	785	Stempel Dental Specialty Co.....	Sepia
Foster Laboratory.....	823	Sterion White Alloy Co.....	773
Frame Products Corp.....	752	Stern & Co., I.....	827
French & Co., S. H.....	814	Stratford-Cookson Co.....	724
Gilbert, Dr. S. E.....	761	Subert Dental Specialities Co.....	810
Gilcrest Co.....	782	Terry's Dental Specialities Co.....	817
Green, Dr. L. O.....	755	Terry Mfg. Co., Geo.....	773
Hanovia Chemical Co.....	771	Thoenbe, L. A. & W. H.....	733
Harvard Co.....	793	Thompson, Dr. S. H.....	741
Heatless Dental Wheel Co.....	748-763	Thoro Corporation.....	811
Heidbrink Co.....	815	Thwaites X-Ray Co.....	740
Hisey Dental Mfg. Co.....	733	Union Broach Co.....	Sepia
Hoffman-LaRoche Co.....	749	V-B Corporation.....	Sepia
Holg Dental Depot, Chas.....	819	Victor X-Ray Co.....	810
Hood Co., John.....	804	Web Sterilizer Co.....	770
Hygeia Can Co.....	Sepia	Weber Dental Mfg. Co.....	767
Industrial Rubber Corp.....	783	Western Metal Co.....	780
Ivory, J. W.....	774	Wheeler, Dr. I. R.....	823
Jelenko & Co., J. F.....	Sepia	Wheeler-Brown Specialty Co.....	746-7
Johnson & Johnson.....	761	White Dental Mfg. Co., S. S.....	716
Justi & Son, H. D.....	718	Wiggin's Sons Co., H. B.....	725-6
Kayle Co., The.....	809	Williams Gold Refining Co.....	
Kelsey, W. A.....	769		
Kidder, W. A.....	780		

Page
 00-812
 700
 713
 742-3
 776
 739
 717
 818
 812
 y
 3-810
 738
 806
 734
 793
 809
 Sepia
 820
 3-810
 802
 782
 799
 763
 664
 663
 738
 781
 817
 810
 Sepia
 Sepia
 739
 763
 758
 823
 820
 727
 64-5
 706
 794
 20-1
 772
 775
 810
 816
 749
 819
 777
 Sepia
 732
 813
 769
 over
 768
 789
 779
 749
 734
 Sepia
 773
 827
 724
 810
 817
 772
 732
 741
 811
 740
 Sepia
 Sepia
 710
 70
 67
 80
 23
 7
 16
 6



Jelenko READY MADE Clasps

THE UNIVERSAL CLASP

SEVEN SIZES
 RIGHTS & LEFTS
 INSTANTLY
 ADAPTABLE

SEND FOR A COPY OF
 "THE TECHNIQUE
 OF THE
 JELENKO CLASP"



FROM
 BETTER DEALERS
 EVERYWHERE.

ORDERING JELENKO
 Ready-Made Clasps
 as needed is a hand-to-mouth
 existence and gives you only
 a fraction of the full con-
 venience of Jelenko Clasps.
 If you get a full set of 14
 and reorder them as used
 you will always have a
 clasp ready for immediate
 use on any tooth.

J.F. JELENKO & Co
 136 West 52nd. St. New York U.S.A.



BURLEW HIGH LUSTRE POLISHERS

For that High, Lustrous Polish

ON THE MARKET ONLY TWO MONTHS, but they've revolutionized polishing methods.

When you want that extra high, lustrous polish on teeth, gold inlays, silicate and amalgam fillings, use Burlew High Lustre Polishers. There's no other way to get it, and High Lustre discs are quick and clean.

Get a box of Burlew High Lustre Polishers today and throw out your old polishing outfit. Each High Lustre disc is an outfit in itself—the polishing materials are *in* the rubber.

\$1.00 a box of 25—wheel shape only

For sale by better dealers everywhere

NOTE: Burlew High Lustre Polishers are for polishing only. To clean teeth clean use Burlew Cleaning Discs.

SAMPLE OFFER!

Send your name and dealer's name and we will send you free samples.



J.F. JELENKO & CO.
136 West 52nd St. New York, U.S.A.



Cast this with Skel-Cast.

YOU WILL GAIN IN TWO WAYS by asking your laboratory to cast your full and partial dentures, saddles, lingual and palatal bars with *Skel-Cast*.

You will obtain cast work of superior quality, very light and very strong. *Skel-Cast* can be cast thinner than any other gold without sacrificing strength and far more accurately. That's one.

By casting *Skel-Cast* thin, less gold is used. A full upper cast with *Skel-Cast* can be made about 4 dwts. lighter than one cast with other golds and still have more strength. That saving in gold, incidentally, is worth considering. That's two.

Quality plus Economy—Skel-Cast

Skel-Cast can be obtained from better

Dealers Everywhere

Per dwt. \$1.35



J.F. JELENKO & Co.

136 West 52nd St New York, U.S.A.



Which?

*Well, just about what
you choose to make her.*

IT MAY SEEM a far cry from your attitude toward denture patients, to Trubyte teeth, but the connection is really very intimate. "Customer or Client" means to you the difference between a commercial transaction and the rendering of professional service. Your mental attitude creates the difference.

of be
and
trade
is oft
fear t

Heal
patie
may
is wit
A "c
who
anoth
with
thoug

you r
serve
are a

and y
of yo
servic
mate

RES

The

(Tru

If your patient is allowed to assume the role of benefactor you put the advantage in her grasp and make of her a "customer." You become a tradesman selling an appliance, the price of which is often dictated by the "customer" whom you fear to lose.

Trubyte

—the teeth you select for "clients."

If you realize that you are an apostle of Health, Comfort and Efficiency, and that your patient depends on your skill far more than she may know, you are the benefactor, the advantage is with you and your patient becomes a "client." A "client" is "one who *consults*"—not one who *dictates*—"one under the *protection* of another." Once you establish the proper relation with your patient there is no room in your thoughts for the selection of inferior materials.

You instinctively select Trubyte teeth because you realize that your patient's interests are best served by their use and your skill and knowledge are augmented instead of being handicapped.

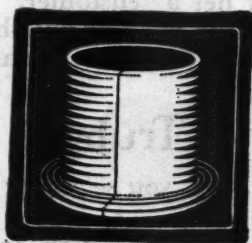
The right attitude toward your profession and your patients means an enlarged conception of your service which in turn results in better service, more joy in your work and satisfying material rewards.

RESTORATIONS  THAT RESTORE

Your Dealer or Direct

The DENTISTS' SUPPLY COMPANY
of NEW YORK

(Trubyte Teeth are known as Anatoform Teeth in Europe, Great Britain and her Colonies.)



A CLOSE-UP

YOU needn't be a "movie" fan to know what a "close-up" is, so we here show a close-up of a Twentieth Century split-ring anchorage as it appears after it is baked in the porcelain. Please note that the split-ring anchorage has been closed completely because the porcelain has contracted—shrunk—and the anchorage has accommodated the movement of the porcelain.

Suppose the ring was solid—not split—or suppose instead of a ring, a disc or cup was used. When the contracting porcelain began to exert pressure against the unyielding metal, the porce-

lain next to the metal would be checked and the result would be—in fact nearly always is—a weakened tooth.

We have no desire to argue the point—we simply want you to know the facts because we are quite content to rest our case when these simple facts are placed before you—the jury.

Twenty odd years ago when Twentieth Century teeth were introduced with soldered-in pins, manufacturers of porcelain teeth with baked-in pins ran the whole gamut of opprobrious adjectives in their denunciation of the innovation. Today, there are many makes of teeth with soldered-in pins, but all of them are compelled to adopt anchorages which do not permit adjustment to the contracting porcelain.

Twentieth Century Solila teeth with Gold-Clad pins soldered to Split-Ring Anchorages are dependable teeth you can afford to use for all cases for which you decide Trubyte teeth are too good.



Your Dealer or Direct.

THE DENTISTS SUPPLY CO. of New York



Ultra-Violet Radiation in Dentistry

(Bulletin No. 3 of the Dental Section of Victor Biophysical Research Department)

Radiographic Interpretation:

At the apex of the first bicuspids there is a destruction of the stratum durum, and a locus of radiolucency, surrounded by a crescentic zone of radiopacity or apical hypoplasia. The pulp canal is imperfectly filled. Diagnostic inference: post infectious repair of an abscessed locus. (Interpretation confirmed by F. F. Molt, D. D. S.)

Pathologic Summary: Infection has been checked, which permits the reassimilation of calcium and phosphorus to reconstruct new alveolar tissue.

Therapeutic Indication: Maintain sterility of radiolucent locus. Continue to foster calcification.

Indications for Ultra-Violet:

The highly bactericidal qualities of Ultra-Violet energy will insure a maintenance of sterility in the pathologic site¹. Ultra-Violet energy accelerates the calcium and phosphorus metabolism, which, in abscessed locuses appears as a stalactite accumulation represented by the crescentic radiopacity in the odontogram². Many smaller abscesses, similar to the one shown, yield promptly, as this example illustrates, under the influence of the water-cooled Ultra-Violet energy³.

References

- (1) Bowie, W. T., Amer. J. Trop. Dis. and Prev. Med. 1915. (2) Hess, Alfred F., Unger, L. J., and Pappenheimer, A. M., Jour. Biol. Chemistry, January, 1922. (3) Pacini, A. J., Dental Summary, February, 1923.

A more complete discussion of above pathology together with details of Ultra-Violet Technique will be sent on request without obligation.

VICTOR X-RAY CORPORATION

Dental Department

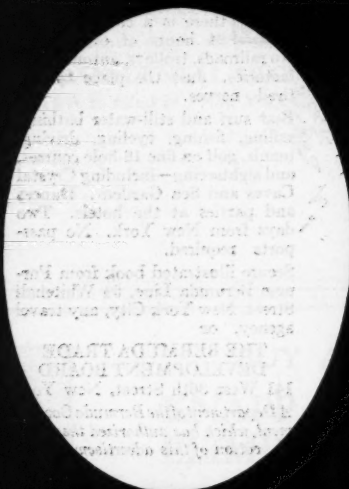
236 S. Robey St., Chicago



ORAL HYGIENE

The WHEELS of X-RAY PROGRESS CONTINUE *to* REVOLVE

With Research as the Motive Power



If you contemplate purchasing new
X-Ray equipment and are interested
in an apparatus which is not only
electrically

SAFE • COMPACT
FLEXIBLE • DURABLE

*but is a pleasant advance in the X-Ray
art, write us for advance information.*

VICTOR X-RAY CORPORATION

Dental Department

236 S. Robey St., Chicago

FOR REST AND RECREATION-

BERMUDA

THIS SUMMER



FHE equable summer temperature averages 79° and there is a cooling breeze 24 hours of every day.

No railroads, trolleys, automobiles, factories. Just the place to rest tired nerves.

Best surf and still-water bathing, sailing, fishing, cycling, driving, tennis, golf on fine 18-hole courses, and sightseeing—including Crystal Caves and Sea Gardens. Dances and parties at the hotels. Two days from New York. No passports required.

Secure illustrated book from Furness Bermuda Line, 34 Whitehall Street, New York City, any travel agency, or

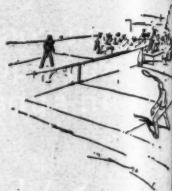
THE BERMUDA TRADE DEVELOPMENT BOARD

141 West 36th Street, New York

A Department of the Bermuda Government, which has authorized the publication of this advertisement.

Low Cost, All-Expense Tours

including hotel, meals, sightseeing: 8 days, \$83 and up (longer tours in proportion) based on minimum steamship round-trip rate of \$50



Detach and **The Bermuda Trade Development Board**
141 West 36th Street, New York

Mail Today:

Send free illustrated book describing Bermuda, and full information about low-cost, all-expense summer tours.

Would go to Bermuda on or about _____ for _____ days.

NAME _____

ADDRESS _____

O.H.-5

METSAN

Every Graduate Will Want One

You'll want a little 32-page booklet we have prepared describing the most efficient syringe and needle equipment, so just write your name and address (and the name of your Alma Mater) on this "ad" and send it to us—we'll know what you want.

Every dentist will want a copy—we'll send you one **FREE**.

METSAN DENTAL MFG. CO.

211-A E. 62nd St., New York City



BUY A KNAPP WAX ELIMINATOR

It will pay for itself many times over in a very short while, and you will know the joy of making perfect castings in half the time, and with less effort than ever before.

City Gas \$35
Prest-O-Lite \$50

Do you **KNOW** what the Knapp Theory really is? We will gladly explain it.

Send for "*A Standardized Inlay Technic*"
by Dr. Knapp.

M. F. PATTERSON DENTAL SUPPLY CO.

406 Sixth Ave. So., Minneapolis, Minn.



Another June

And soon the graduating classes of 1923 will be preparing to enter the broad field of professional life "on their own" at last. Upon these young men, representing in truth our America of tomorrow, rests the progress of the dental profession.

May we here express the wish that the classes of 1923 may go forth into the field of dentistry, ever holding before them the highest goal of attainment, and ever remembering those professional and ethical principles which have given to the dental profession the high place which it now holds as a truly great and helpful factor in society.

The Dental Pharmaceutical Company HOLTON, KANSAS

Every graduate, and all other dentists not using SEDAVOL, are invited to write for a sample and complete information. SEDAVOL is a safe, rapid and harmless control for post-operative and many other types of pain.

with n
attach
surface
of muc
fore n
calcul
granul
glues t
Black,
so clea
that t
It was
tartar
which
could
Clinic

30
V.

Ple
for
clea
new

Na

Ad

O-S

Mu-Sol-Dent

it dissolves mucin

Prevents Tartar!

MU-SOL-DENT will not remove tartar, but it will prevent it.

The lime salts which combine with mucin to form tartar, can only attach themselves to the glass-like surface of enamel through the adhesion of mucin to enamel. Mucin is therefore not only the binder in salivary calculus, holding together the lime granules, but is the cement which gives the calculus to the tooth surface.

Black, Bunting and Printz have all so clearly demonstrated these facts that they are universally accepted. It was, therefore, logical to assume tartar would be inhibited if the mucin, which is constantly present on teeth, could be frequently dissolved.

Clinical experience with Mu-Sol-Dent,

the first safe and efficient mucin solvent, quickly and conclusively confirmed this reasoning. *For the record of all patients whose teeth had previously exhibited rapid accumulation of tartar, immediately showed startling diminution of the deposits when patients were put on Mu-Sol-Dent.* This, therefore, is the only dentifrice you can confidently prescribe to these patients. Their gratitude is sure and lasting.

Mu-Sol-Dent has other definite therapeutic uses and is the ideal dentifrice.

A trial will quickly convince you and your patients. Select a patient, sign coupon. We will send 30-day bottle free.

30-DAY BOTTLE FREE!

V. B. Corporation, Box C, Uptown Sta.,
Pittsburgh, Pa.

Please send me large bottle of Mu-Sol-Dent for tartar test, and send monogram on the cleaning and therapeutic properties of this new discovery.

Name.....

Address.....

(Please attach professional card)

O-5

Discovered
at the
Mellon Institute
University
of Pittsburgh



ORAL HYGIENE

AMALGAM that stays white

The word "white" in "Sterion White Alloy" means something. Sterion White *stays white* longer than any other amalgam does. Think what this means!

This is one of the reasons why Sterion White has been in use continually for more than a quarter century.

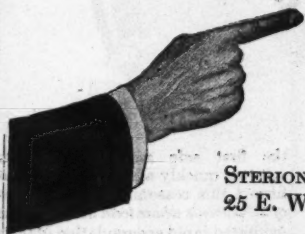
It is the original formula of Dr. A. C. Hewett.

It's silver content is 67%.

It's unlike any other alloy so there is no real substitute for it.

Price, one ounce, \$2.00; five ounces, \$8.50; ten ounces, \$16.00.

From your dealer—or direct.



STERION WHITE ALLOY COMPANY
25 E. Washington St., Chicago, Ill.

(Inc. 1900)

Sodiphene

TRADE MARK REGISTERED

"First Aid for the Family"

Not only an Antiseptic

but also a soothing, healing germicide which will destroy organisms of all the Cocci group, and their products, and in their most virulent form.

A liberal professional package will be sent upon request. Address—

THE SODIPHENE COMPANY

928 Central Street

Kansas City, Missouri.

ORAL HYGIENE

Decoater Tooth Brush



Cut off back rows to shorten, if you wish

Authoritative

Pocket and Home Style

The Decoater tooth brush conforms to the specifications adopted by leading dental authorities. In shape, separations, rounded tufts, trim, number of rows, length of bristles, etc., it accords with accepted requirements.

This is therefore the authoritative type of brush, and the type you advise, we believe.

Each tuft of bristles is separate. So wherever a shorter brush head is desired, one may cut off with a razor one or two back rows. The length of the brush part as we make it is $1\frac{1}{4}$ inches.

The Decoater is a quality brush, American made and well made. Yet the Home Style sells for 50 cents.

Now supplied by druggists in general.

Pocket Style

The Pocket Style Decoater is made for use away from home. For children at school, men at business, travelers, motorists, etc. It fits the vest pocket or a woman's hand bag.

The ventilated metal case is permanent, but the brush part is replaced by refills as it wears out.

Price, \$1 complete. Refills, 50c.

As an introductory offer, we will send a Pocket Style Decoater Brush to any dentist on receipt of 50c to cover cost of packing, mailing, etc. Only one to a dentist.



Pocket Style



Folds into a case like this

THE PEPSODENT COMPANY

Decoater Brush Dept.

1104 S. Wabash Ave., Chicago

ORAL HYGIENE



Appearances do count

THE appearance and equipment at your office make a favorable or unfavorable impression on your patient. What impressions do your customers carry away with them? How truly does your equipment reflect your skill and ability?

HYGIA REFLECTS EFFICIENCY

You will be proud to place HYGIA alongside your new pieces of equipment because its gleaming perfection will compliment the finest pedestal, chair or cabinet.

Made of "ARMCO" rust-resisting iron, with all work-parts heavily nicked. HYGIA is available in glossy white, rich mahogany or pearl gray enamel.

Hygia paper Insert Bags available at negligible cost.

\$5.50

\$6.00

East of the
Mississippi

West of the
Mississippi

At all good dealers



HYGIA CAN COMPANY, Inc.

141 Franklin St.

New York

The Business of Good Equipment for Good Business

IF YOU would invite success, equip right with high-grade, well finished goods—fairly priced.

Extravagance and waste in purchasing gets you nowhere.

Prosperity turns a cold shoulder to gaudiness as well as shabbiness.

Proper and tasteful equipment may be a dividing line between failure and lost opportunity.

Our systematized quantity production, with concentration on essentials (chair, cabinet and engine) together with our policy of eliminating all extravagance and waste in the conduct of our business, particularly where it doesn't add to the value of our product, enable us to supply equipment of value, efficiency and endurance at a price unequalled by any.

Ask us, or a Harvard dealer, for information on Harvard goods. The Harvard dealer will sell them on liberal terms and it is our business to furnish them and to give you service under a guarantee that must be pleasing as well as entirely satisfactory.

Ask for folder.

HARVARD

THE HARVARD COMPANY,
CANTON, OHIO

Never Before

Has there been a preparation put up like

DENTISEPTOL

For the treatment of Gingivitis and Pyorrhea in the concentrated form to be prescribed only by the profession in 5% solutions for the patient to use at home.

Containing such drugs as Phenol, thymol, phenolsulphonate of zinc, formalin, iodine, salicylic acid, camphor, chloroform, combined with a vehicle that really penetrates the tissue.

Formula of Prof. Robert L. Crowe University of Tennessee College of Dentistry, Medicine and Pharmacy.

Write for the sample bottle.

Two sizes.

1 Ounce	\$2.00
1 Pint	15.00

Have your druggist order pint bottles through his jobber for your prescriptions and office supply.

Order direct, through your depot or druggist.

Distributed by the

CHEMICAL PRODUCTS CO., INCORPORATED
MEMPHIS, TENN.

Dr. Riddle's Universal Dental Matrix Retainer

Band
Shown
Extended
→



Patented
Dec. 19,
1916

*For Dentists
of Precision*

5 seconds to apply band. A few turns of the top screw and the tough and plastic curved band (1-2500 in. thick) embraces the tooth closely and perfectly. Especially adapted for step cavities, amalgam restorations and gold inlay work. Will last a lifetime.

Used by leading dentists in U. S., Canada, Europe, and the Antipodes.

\$3.00 with 12 bands. Extra bands 25c dozen. Your dealer or direct

Riddle & Wise, Manufacturers

St. Francisville, Louisiana

Today

*is the tomorrow
of yesterday—
the day upon which
you said you would
have a Medical
Protective Contract*

*Rates and specimen
copy on request*

**The
Medical Protective Company
of Fort Wayne, Indiana**

A. C. CLARK & COMPANY

Veteran and Novice



Clark Unit Pedestal

For the established practitioner the Clark Unit reflects progress and creates prestige.

For the practitioner just starting out, lacking the practical and experience, the Clark Unit will play a big part in his success

Besides being distinctively individual the Clark Unit Pedestal is the only Unit that specializes on the incorporation of a Hot Air Syringe, Examination and Antrum Lamps and the only Unit with a Water Syringe, a Water Filter, a separated Drinking Glass supply and an enclosed Saliva Ejector.

Unified Equipment with the Utilities that promote efficiency leads to proficiency and with it the prestige and progress that will be yours.

A. C. CLARK & COMPANY

1035 E. 76th St.

CHICAGO, ILLINOIS



BUTYN SOLUTION READY TO USE

Here, in answer to many requests, is BUTYN-EPINEPHRIN SOLUTION, all ready for immediate use, in a contamination-proof safety container. "The bulk ampule" is a happy phrase which perfectly describes this vial, which has proven satisfactory for years as a holder for biologic preparations, and is now adapted for an anesthetic solution.

As with an ampule, you simply insert your hypodermic needle through the sterilized spongy rubber diaphragm and draw out the required amount of solution. But, with this "bulk ampule" when you withdraw the needle, the vial is at once hermetically sealed, preventing contamination. Careful tests have proven the exceptional stability of this solution in this container. The cover is crimped on to prevent tampering with the solution.

$\frac{1}{4}$ " needle or longer may be used.

NO AMPULE TO BREAK
NO TABLETS TO DISSOLVE
NO WASTAGE OF SOLUTION

Net price in U. S. A.
\$2.25 per 100 c. c. container.



THE ABBOTT LABORATORIES

Dept. 97, Chicago

NEW YORK
LOS ANGELES

SAN FRANCISCO
TORONTO

SEATTLE
BOMBAY

Dealer's Name.....
Address.....
Send me..... 100 c. c. containers of Abbott's Butyn-Epinephrin
Solution at \$2.25 each.
Dr.....
Address.....

Design Your Own Bench



Sectional Bench Units Absolutely Flexible

FORMERLY the dentist had one bench which was altogether too small for the work that a modern dentist has to do; or he was forced to have a special bench designed to suit his particular needs, which greatly increased the cost.

Sectional Bench Units answer every requirement of the up-to-date progressive dentist. These Units can be arranged to fit any space.

Any combination of drawers, cupboards, spaces for knee room, sink, gas and air connections can be made; in fact they are absolutely flexible. Made of Birch, Mahogany Finish. Just send a floor plan with dimensions of the room indicating position of radiators, steam pipes, windows, etc.

Send for circular describing these Units in detail.

THE AMERICAN CABINET CO.

Two Rivers, Wis.

ing Mo
Gradua
advant
which v

THE M

Sal Hepatica

Materially Aids
Local Treatment

IN

PYORRHEA

Samples on Request

Bristol-Myers Co.
NEW YORK



M U - C O L

Instantly Soluble Antiseptic Powder.

For rapid cleansing and healing.

Invaluable after extraction.

Cultivate its use for Gingivitis, Pyorrhea, Bleeding Gums, Loose and Sensitive Teeth, Pus, Fetid Breath, Neutralizing Mouth Acids and maintaining healthy condition of Oral Cavity.

Graduates after opening their offices cannot spend a few moments to better advantage from a result giving standpoint, than in testing our samples which we cheerfully mail. Sign the coupon today.

Sold at all First Class Druggists in three sizes.

35c

60c

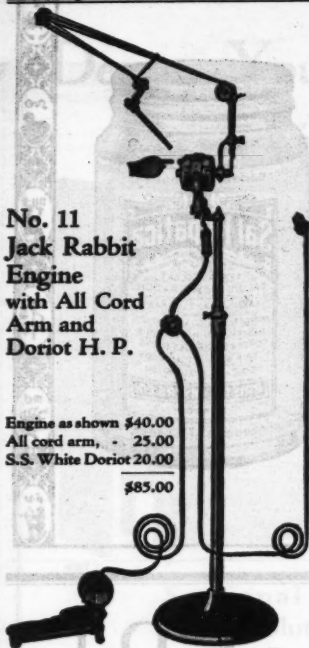
\$1.20

THE MU-COL CO., Inc., Tupper and Edwin Place., Buffalo, N. Y. M
Please send free samples.

**No. 11
Jack Rabbit
Engine
with All Cord
Arm and
Doriot H. P.**

Engine as shown \$40.00
All cord arm, - 25.00
S.S. White Doriot 20.00

\$85.00



One Turn of the Knob

This type has proven one of our best sellers, running very quiet and smooth, with plenty of power. The hand points to a small switch, built in motor. One-half turn of the knob instantly reverses motor, giving four speeds forward or backward.

Engine complete includes extra belt, oil can, etc. New catalogue showing various types of Jack Rabbit engines and other goods we manufacture now ready.

T. M. CRUTCHER

DENTAL MFG. CO.
414 and 423 West Liberty Street
Louisville, Ky.

Formerly T. M. CRUTCHER
DENTAL DEPOT, Inc.

Suspicion

The dentine in a deep cavity over the pulp may look all right—but is it not safer to suspect that it is infected and trouble may go on under the filling?

Use **STERIDENT** for sterilizing infected dentine and preserving pulp vitality. Two powders: Magnesium Zinc plain and Magnesium Zinc plus Silver Nitrate, and one liquid: Pimento Eugenol.

Full directions with each package.

Through your dealer.

Manufactured by
King's Specialty Co.
Fort Wayne, Ind.



Own Your Own

¶ Owning your own Vulcanizer does not mean that you have become a slave to your laboratory, or that you are doomed to hard, dirty work for the balance of your professional career.

¶ What it really means is that you are independent.

¶ That you can give your patients the right kind of service, and give it to them quickly.

¶ That you are equipped to handle that end of your practice which shows a wonderful profit if given half a chance.

¶ When Mrs. Smith (one of your valued patients) comes in with the right central incisor missing from her plate, and a dinner party on that evening, it means that you can replace that tooth for her in jig-time and save her a lot of embarrassment.

¶ That is what makes boosters of patients.

¶ Possession of a Vulcanizer means all of these things and you should not hesitate to

"OWN YOUR OWN."

¶ We have a descriptive Vulcanizer catalog.

¶ ASK FOR IT.

BUFFALO DENTAL MANUFACTURING CO.

BUFFALO, N. Y., U. S. A.

Look!—Booklet No. 1 tells all about Flasks. You need a copy.

Holding the Mirror Up to Nature

Your patient would as soon have you use bright green rubber for the gum shade on his plate as to use a pink that was off color.

Your plates must be as near Nature as possible—which means you must use a superior rubber.

Eugene Doherty's New Improved Pink Rubbers

in light, medium light and deep shades, fully answer every possible requirement in the making of gum shades for plates. Not only do they make the most natural plates, but they are tough and durable to a remarkable degree.

Eugene Doherty Rubber Works, Inc.

110-112 Kent Avenue, Brooklyn, N. Y., U. S. A.

Address all correspondence to Dept. B.

At Last A Minute Plate Repair

PERMANENT

**REQUIRES NO
VULCANIZING
ALWAYS
READY FOR USE**



Strong and Durable

For replacing one or more teeth on vulcanite plates instantly without re-vulcanizing, a material that lasts the life of the plate, repairs made while patient waits. Used for many years with satisfactory results.

Modern Dental Specialties Co.

Sole Distributor, Charles Holg Dental Depot, 5 South Wabash Ave., Chicago, Ill.

Tear this out and mail it to your dealer, or will send direct upon receipt of \$3.00 check.

Send me 1 Box MINUTE PLATE REPAIR (enough for 30 to 40 repairs) \$3.00

Dr. _____

Address _____

CRESCENT BROACHES

STANDARD SINCE 1900

*THE Doctor who is
satisfied with ordinary
broaches is very easily sat-
isfied. But the Doctor
who selects CRESCENT
would be impossible to
please with any instrument
less worthy.*

CRESCENT

Dental Mfg. Co.

Chicago, Ill.

From all
Good Dental Dealers.

One reason why so many Dentists are insisting on having only

HOOD'S GOLD SOLDERS & SHELLS

is that they know they are getting what they pay for—always.

YOU ARE SURE TO GET FULL GOLD VALUE

because they are actually of the degree of fineness claimed by the official stamp, although the law is that such golds may be of a somewhat lesser degree of fineness and still be classed as correctly stamped. Hood's Golds can look the Assayer square in the eye.

JOHN HOOD COMPANY
178 TREMONT ST., BOSTON

A Better Kind of Needle

When you specify "Hypodent Needles" on your order, it indicates you want a better kind of needle. It tells your dealer you know there is a difference. It means you wish to be free from the danger of breakage and the annoyance of stoppage.

To use Hypodent Needles is to know needle satisfaction. They have exploded the bugaboo of minimizing pain by using a needle of finer gauge. Hypodent Needles are so carefully pointed that there is no difference in pain in the various gauges. A larger gauge Hypodent Needle will do the work with no more pain and greatly increase the margin of safety from breakage.

Only the best French tubing is used in making Hypodent Needles. This tubing is entirely free from burs, the cause of stoppage. It is this attention to detail, this care in manufacturing and the thorough examination of every needle before being shipped, that has given Hypodent the prestige it now enjoys.

DE SANNO & HOSKINS, Inc.
PHILADELPHIA

Also manufacturers of Lightning Disks and Strips,
Nuklorene, Pulp-Life and other Specialties.

*Your dealer will supply Kalo-Kain if
orders are placed in sufficient quantities.*

The Care of the Teeth

The chief adjunct in dental prophylaxis is the dentifrice. Dentists now quite generally agree that the best dentifrice is a tooth powder.

Calox—The Oxygen Tooth Powder—has just sufficient abrasive quality to remove accumulated food debris from the surfaces of the teeth, and to polish away the dental plaques, which are so frequently a nidus of tooth decay.



Calox is an antacid, overcoming acid mouth conditions, by neutralizing the accumulated acid that results from fermentation of food particles.

It also liberates nascent oxygen, on contact with the mouth fluid. This destroys the bacteria of tooth decay. It also oxidizes effete particles of food debris lodged in the interstices of the teeth, which favor putrefactive fermentation, and the reaction from absorption.

As an adjunct measure in prophylaxis, instruct your patient also to rinse the mouth morning and evening with McKesson & Robbins' Milk of Magnesia. McK. & R. Milk of Magnesia is a true colloidal salt, with a perfect affinity for free acids.

Besides neutralizing whatever acid may be present in the mouth, McK. & R. Milk of Magnesia forms an alkaline coating over the surfaces of the teeth, thereby protecting the enamel of the tooth surface in both a mechanical and a chemical way.

Dentists who are not familiar with Calox or Milk of Magnesia, are invited to send their professional card for liberal samples of both these products.

McKESSON & ROBBINS

INCORPORATED

91 FULTON STREET,

NEW YORK CITY



More Evidence that Dresch Attachments Make Better Partial Dentures

A dentist practising in a wind-swept town of the Kansas prairies, (*name on request*) writes as follows:

"Dresch Attachments are a time saver, a patient pleaser, a tooth saver, a health preserver and a money maker." "As near as I can count, I have used them on thirty-four cases."

This is EVIDENCE—proof that Dresch Attachments are a boon to partial denture work. We have more proof for you in the shape of a booklet which explains how these attachments do the work. Letters like the above will be written next year by men who read this ad. You can be as pleased with your partial work. The coupon below will start things moving.

The Dresch Laboratories Company

622 Madison Avenue

Toledo, Ohio

Please send your latest booklet to

Berry's New Denture—
Aluminum Duplex



After thoroughly testing this denture for several years we offer it as the highest achievement in aluminum dentures at the price of \$9.75.

Construction

The entire palate is cast of pure aluminum—extra dense. The anchorage is very secure in the vulcanite as shown above. Note the smooth finish obtained between the aluminum and the vulcanite on both surfaces.

Trubyte teeth, Ash & Sons gum pink and base rubber—complete \$9.75.

Accurate Fit Guaranteed

Send us perfect impression or model—good bite. We will send the base with teeth set up in wax to be tried in the mouth before vulcanizing.

Orders for this denture will be shipped within eight working hours of time received at the Berry Laboratory.

We are prepared to handle this class of work for laboratories not equipped to do it. Send for Our Complete Price List.

The **BERRY**
Dental Laboratory Co.

EQUITABLE BUILDING, ST. LOUIS, MO.

USO
HOLLOW

HELI
NON-CORR

K
ME
SLEEVE

ARL
LOCKED

Patente
1922. O
pending
tected i
eign cou
tries.

Suite
Cand



ORTHODONTIC APPLIANCES

Expansion Arches supplied in four sizes—16, 17, 18 and 20 Gauge.

Adjustable Bands supplied in four styles, as illustrated. Open or Closed pattern.

Standard for Over 20 Years—
Ask Your Dealer.

Send for our Catalog.

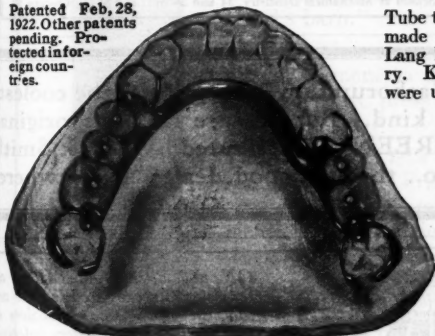
**THE MEIER DENTAL
Manufacturing Co.**

3927 Olive Street, St. Louis, Mo.



The Kayle Attachment for Clasps

Patented Feb. 28, 1922. Other patents pending. Protected in foreign countries.



Tube tooth bar denture made by the Kiander-Lang Dental Laboratory. Kayle Attachments were used on the two molars severely tipping into the arch. Their use allowed the regular clasps in front and entire denture to be seated with ease and no strain on teeth.

*Send For
Booklet*

Suite 1001-4
Candler Building

KAYLE CO., Inc.

Tel. 3350 Bryant

220 W. 42nd St.
New York.

Assistant's Gowns \$3 ⁵⁰/_{each}

Three for \$10.00

Attractive garments, well made of Indian Head long wearing material that launders well and holds the fit.

Sent prepaid on receipt of price. Ask for Style 58. Give bust measure and say whether long or short sleeves. Other garments at varying prices. Send for catalog. Mention dealer.

CONNECTICUT
COAT & COVER
COMPANY
Dept. H.
Shelton, Conn.



Evidence

Tooth Brush Sterilizer

NATIONAL PATHOLOGICAL LABORATORIES,
(INCORPORATED)

18 East 41st St., New York, N. Y.

To: WEB Sterilizer Company,
Mount Vernon, N. Y.

Culture from tooth brush before sterilization shows:

Numerous Streptococcus Viridans.
Moderate number Gram negative diplococci members of Siccus Catarrhalis Group.
Occasional Staphylococcus Albus.

Culture from tooth brush after 2 1/2 hours in sterilizer:

Sterile—no growth.

Signed: Archibald McNeil, M. D.

The WEB Sterilizer does *not* use formaldehyde as a sterilizing medium. WEB Sterilizing Fluid is pleasant and beneficial to the tissues.

PRICE: WEB Unit complete—to profession \$4.00; retails to patient at \$5.00

Write for literature.

Sales Representatives Wanted.

WEB STERILIZER CO., MOUNT VERNON, N.Y.



WANTED—Capable Mechanical Dentists

The demand is greater than the supply for REAL mechanical dentists. The high standard of McCarrie instruction is evidenced by the success of its graduates. Individual expert instruction in every branch of prosthetics at reasonable terms. The largest and best equipped school of its kind. Send for free book 14.

McCarrie School of Mechanical Dentistry, 34 and 36 W. Lake St., Chicago, Ill.

Clean Green Carborundum—the purest, the coolest, fastest cutting kind. But be sure it is the original and genuine GREEN. Distributed by Lee S. Smith & Son Mfg. Co., through good dealers everywhere.

P
E
N
T
Z



ON and after MAY FIRST all Auto Clavette Models will advance in price. Consult dealers or send for new booklet before ordering. Perfix Models still \$60.00.

The Santiseptic Co., Staten Island, N. Y.

Safe—

*and free from complicated,
bunglesome mechanism*

THE Thwaites X-Ray first gained distinction as the original *safe* X-Ray apparatus.

Folks recognized it as a new idea of real sound worth.

Everything about the Thwaites is enclosed. The illustration shows how. The same depth of thought that gave dentistry this safe X-Ray apparatus, applied itself to designing a machine that would shortcut old-style, complicated, bunglesome mechanism—through superior *design*.



Thus the safe Thwaites—scientifically designed to eliminate mechanism that “goes around Robin Hood’s barn.”

The Thwaites is as simple as a camera to operate—you just press the lever.

The catalogue tells the rest of the story. Free of course—and you might mention your dealer when you write.

Thwaites X-Ray Co.
Grand Rapids, Mich.

THWAITES

**When you see it,
you'd be willing to
buy the Lincabinet,
but you don't have to,
for it's free with \$50
worth of Lincrowns.**

Lincrowns are those handy, ready-made gold crowns that so many dentists everywhere are using and have been using in increasing quantity for several years.

Order through your dealer.

We will give you a Lincrometer free also.

Order Lincrowns in assortments:

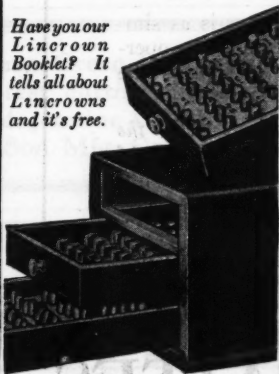
Assortment No. 1, \$28.20 (6 molars, 6 Bicuspid, 12 Anterior).

Assortment No. 24, \$31.90 (12 Upper and Lower Molars, 12 Upper and Lower Bicuspid).

"Link up with Lincrowns—Worth more than their weight in gold."

LINCOLN DENTAL MFG. CO.
1600 Chestnut St.
PHILADELPHIA, PA.

*Have you our
Lincrown
Booklet? It
tells all about
Lincrowns
and it's free.*



Just One Moment, Doctor!

What are you paying for your retainers? Your 1923 dollar is just as big as your dollar of 1905 was if spent for the "EUREKA." Universally used—easily attached—your patients renew their own cups. Nothing to give you trouble in after years.

"The fact that it remains speaks for its efficiency"

Upper or Lower,
\$2.00 per box—HALF DOZ.
At best dealers everywhere



1905-1923

EUREKA SUCTION CO.
Loudonville, O.

Clip
this
ad

Clean Crucibles

THE GARDNER Centrifugal Casting Machine provides a clean crucible for every cast; integral with the mold, and made of the same material.

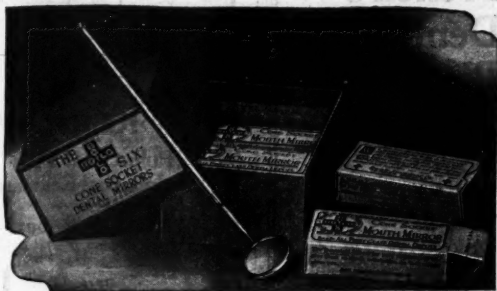
Send this ad for the other new features.

\$27.50

**M.F. Patterson Dental
Supply Co.**

406 Sixth Avenue So.
Minneapolis, Minn.

Made in U. S. A.



SIX BOILO MIRRORS WITH A HANDLE FOR THE PRICE OF FIVE BOILO MIRRORS.

A recent investigation by the United States Senate on profiteers and profiteering disclosed the fact that German dental mirrors costing 4 cents in Germany were sold here at 35 cents and upwards. What kind of a mirror can even a German make for 4 cents?

Boilo Mirrors, made in the U. S. A., are honestly made and honestly priced. We guarantee your complete satisfaction and are right here to back up our guarantee.

6 Simple Stem mirrors.....	\$3.00
6 Cone Socket mirrors.....	\$3.25
6 Contra Angle S. S.....	\$3.25
6 Contra Angle C. S.....	\$3.50

At all good dealers

Specialty Manufacturing Co.

Makers of DeLuxe Dental Specialties

313 Fulton Street,

Brooklyn, N. Y.

French's Dental Plaster

Regular: for general work
Impression: for quick work-
ing

Slow Setting: for vulcaniz-
ing.

**The Standard for
Quality and Whiteness**

Send for free sample if you
are not familiar with our
Plaster.

Samuel H. French & Co.
Philadelphia, Pa.

EST. 1844 INC. 1920

IMPORTANT

For correct Root
Canal work it is
essential that you
have the proper
instruments

KERR
U.S. PAT. OFF.

Pulp Canal Files
Pulp Canal Reamers

*Made in various
styles and sizes*

AT ALL
LEADING
DENTAL
DEPOTS

Manufactured
by

DETROIT DENTAL MFG. CO.
Detroit, Mich., U. S. A.

Do Not Try It,—

We have done all the trying — you could not improve upon it —
nobody could.

*If you want to save deciduous teeth, six and
twelve year molars,—if you want to restore an
inflamed pulp to a healthy condition and keep
it healthy;—prevent thermal changes,—*

get a package of CARBOL EUGENOL from your dealer, and
then just

Use It!

Manufactured by

King's Specialty Company

Fort Wayne, Ind.

HEIDBRINK

NON-NARCOTIC



**Non-Depressent
Anodyne
Compound**

Send for
Free Sample
Administer for relief of
after-extraction pains.

Use Yourself
for relief of any pains
centering in the

5th NERVE

*At Your
Supply House*

100 Tablets....\$1.50
250 "3.50

The **HEIDBRINK COMPANY**
Minneapolis Minnesota U.S.A.





—healing, pain-arresting

In your search for a good, dependable pain arresting, healing medicament—when once you use Jodo-Formagen Cement, there you will likely stop.

Jodo-Formagen arrests pain quickly and it will dry up the secretions—assist in granulation—and permanently heal.

It will quiet hyper-sensitive dentine, allowing the performance of painless operations.

If you are not already a user of Jodo-Formagen-Cement, order a regular box from your dealer or direct from us. We know you will be surprised and delighted with its effective qualities, as are thousands of other dentists.

Regular size package, \$2.00.
Double size package, \$3.00.
Imported package, \$2.50.

Literature on Request.

Gustav Scharmann,

1181 Broadway,
New York City



THE LIVE WIRE

You may do without him in your practice but—not so well. Make him your ally. He's a booster!

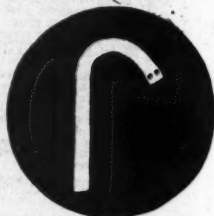
FLECK'S RED COPPER CEMENT

SAVES DECIDUOUS TEETH

Without using bur the cavity may be filled with Fleck's Red Copper which permanently stops decay by its continuous germicidal power.

At all dental depots

Dr. Riddle's Paper Saliva Ejector
Delights Every Patient—Why?
Individual Service



Patent Allowed

SUCH A HELP TO DENTISTS

No More Time Lost in Cleaning and Sterilizing Old Saliva Ejectors.

Paper Saliva Ejectors are made out of waterproof paper tubing, and will draw saliva as well as any Saliva Ejector. IT IS REINFORCED with a wire coil to prevent COLLAPSING under suction, and will last for long operations. It will fit any saliva ejector tubing. 200 Individual Ejectors and THE HOLDER \$1.90. Please specify when holder is NEEDED. Your dealer or direct. The Paper Saliva Ejector Co., St. Francisville, La. Dept. 2.

Have you an *exact* account of college expenses?

Start dentistry right! I understand that if the income-tax man has no figures to check you on, he takes the average dentist's tax for *your* tax.

Surely you will want to know how much you saved each month and year, and will want a book, so simple to keep that you will like to keep it, that will give you these figures.

Get your DOCTOR'S DOLLAR SUMMARY *now* and have an almost automatic record of all money received and paid out, including investment records. Ask your dental salesman. Price \$10.00 C. O. D. Prepaid, if ordered direct.

G. A. Ostermeier
New London, Wis.,

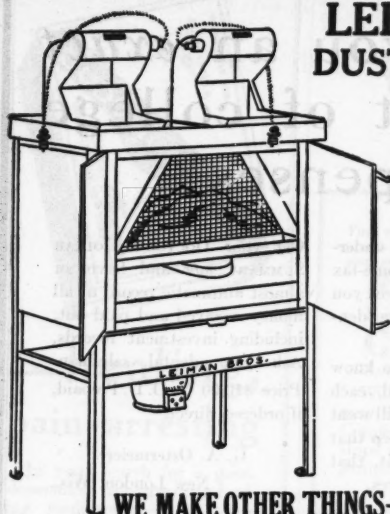
If *you* were Terry

Suppose *you* had been rebuilding handpieces for dentists for more than 12 years—working with, living, eating and sleeping handpieces? Would you know how to do it right? Of course you would! And so does Terry—Terry of Buffalo—the original handpiece "surgeon" of these United States.

Send for addressed
mailing box.

GEO. A. TERRY MFG.
Co., Inc., 356 South
Elmwood Ave., Buff-
alo, N. Y. Establish-
ed 1910—growing
ever since. Parts in
stock for all standard
handpieces also Con-
solidated.

"ORIGINAL"
TERRY
BUFFALO



LEIMAN BROS. DUST COLLECTOR

—PATENTED—

A Dust Collecting Table to Use With Your Own POLISHING MOTOR—

put your present electric polishing motor on the table between the suction hoods—Independent motor drives the suction fan—Electric lights in hoods—suction on both hoods—can be driven from any light socket. Combination dry and wet dust cabinet holds the dust. WHITE ENAMELED ENTIRELY, floor space 18 x 28 inches.

WE MAKE OTHER THINGS—SEND THIS COUPON

Work Benches. One and two seat sections—the two in one tops—you can use both back and front—extra large drawer and metal pan, file pin and arm rest.

Melting Furnaces. Complete with blower and motor for the large or small shop—quick high heat—easy to handle—also hoods for the smoke and iron tables for the moulds.

Blowers to supply air for the benches, the melting furnace and sand blast—motor driven complete—"They take up their own wear" and are NOISELESS.

Rolling Mills. Flat stock and square wire or half round—single or double mills for hand or belt or with motor attached.

Drawing Wire with our hand operated draw benches is easy—small and large ones.

Presses, foot or hand operated for cutting or drawing—good presses save your expensive tools—light and heavy.

Lathes. Speed lathes for trimming, spinning, drilling, lapping, sawing, frazing, buffing and all work in the shop—with or without a motor mounted on bench.

Drilling Machines for holding No. 80 drills—accurate, sensitive machines—foot and hand feed.

Sand Blasts for frosting and matt finishing, cleaning articles to plated—plating takes hold quicker if sand blasted first.

Polishing. Leiman Bros. Polishing Dust Collectors are nationally known and used—there is nothing surpassing them—you save the gold dust and keep your shop clean.

Lapidary. Complete outfit for cutting and polishing gem stones—with instructions for doing the work.

☐ Number of men.....
Space.....

☐ Amount to melt.....
☐ Material to melt.....

☐ Number and sizes of blow pipes
☐ furnaces or sand blast to be operated..... Blowing or Vac.....

☐ Material to Roll.....
☐ How thin..... How wide.....

☐ Power or hand.....

☐ Size to draw.....

☐ Material.....

☐ Hand or power.....

☐ Material.....

☐ Size of article.....

☐ Cutting, forming or raising.....

☐ Work to do.....

☐ Belt or motor drive.....

☐ Work to do.....

☐ Belt or motor drive.....

☐ Weight, size, material.....

☐ Article..... effect wanted.....

☐ Model A for 2 operators.....

☐ Model 47.....

☐ Stones.....

☐ Single or double outfit.....

ELECTRIC CURRENT—

Volts..... Phase.....
Cycles.....

LEIMAN BROS. DESK 60-62 LISPENARD ST., NEW YORK NEW YORK

L523 NEAR BROADWAY AND CANAL ST.

MAKERS OF GOOD MACHINERY FOR 35 YEARS

A Dentist Duplicate Receipt Record Book

5000 now in use.



This book will help you, making intelligible record of cash received and the work done for the day. Simple, with less clerical work. Is very useful for examinations, estimates, recording operations, as well as for cash receipts, credits and income tax record. Contains 400 sets of receipts in duplicate with several sheets of carbon paper. Size of blank 6 3/4 x 2 3/4". Size of book, 7 x 11". In

Handsome Black Cover. Price \$1.50

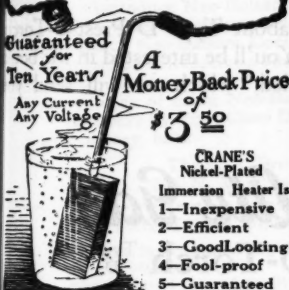
Charles Holg Dental Depot
 9 So. Wabash Ave. Chicago, Ill.

Gentlemen: You may send me Duplicate Receipt Book. Enclosed find \$1.50.

Dr. _____
 Address _____

Every Dentist Needs Constant HOT WATER

"Attains Mouth Temperature in 10 Seconds."



A Money Back Price
 of \$3 ⁵⁰/₁₀₀

**CRANE'S
 Nickel-Plated
 Immersion Heater Is**

- 1—Inexpensive
- 2—Efficient
- 3—Good Looking
- 4—Fool-proof
- 5—Guaranteed

WARMS HEATS BOILS

Water or Food

Through your Dealer or by C. O. D.
 Parcel Post from

CRANE & COMPANY

2 East 11th St. New York City
 "A Crane & Company Article"

New System Increases Net Income - cuts losses

A leading dental surgeon wanted to increase his income without expanding his practice. He knew he could do it by keeping an accurate record of time on each patient in the chair and laboratory.

He designed a complete system to record appointments, time spent, charges, receipts, and money paid out for every item.

This remarkable system has been assembled into one book. When a patient leaves the chair the work done, location, time required, the charge and credit, also next appointment, are entered. Takes no longer than to enter an appointment in a regular book. No forgetting. You post as you work. When finished with the last patient of the day, your posting is also finished. The totals of every part of your business are always before you, to be seen at a glance.

Complete records assure collection of bill in court, protect you in case of damage suit and from fines for faulty income tax return. A model tax blank shows just how to make out return.

SEND NO MONEY

If your dealer can't supply you just mail coupon. We will ship Simplified System at once. Pay postman \$8 and examine it. If not entirely satisfied send it back and we will refund your money.

SHOLTY PRINTING CO.

1751 Van Buren St., Chicago

Sholty Printing Co.,
 1751 Van Buren St., Chicago.

Please send Simplified System. Will pay postman \$8. If not entirely satisfied I will return it in five days and you are to refund my money.

Name _____

Address _____

City and State _____

Name of Dealer _____



Prest-O-Torch Brush flame,
temperature 2800 degrees, for
heavy casting



Prest-O-Torch needle flame,
temperature 3300 degrees, for
delicate fusing work

Flame size and heat control at your finger tips

Your idea of absolute heat control is realized with Type D Prest-O-Torch. It meets the exacting demands of the modern dental laboratory as no other device ever has. The fat brush flame or the intense needle flame is at your command, as quick as thought. Used by leaders in restoration work because it melts platinum or gold without oxidization or carbonization. Type D Prest-O-Torch is the instrument of precision that enables the Dental Surgeon to attain results with a facility hitherto impossible.

Ask your dental supply house about Type D Prest-O-Torch. If it can't supply you, write us. You'll be interested in the book "Intense Heat Perfectly Controlled," which we will send you for the asking.

Prest-O-Lite Gas and Prest-O-Torch ^{Type} D

There are over 22,000 Prest-O-Lite stations ready to exchange full tanks for empties. You pay only for the gas.

THE PREST-O-LITE COMPANY, Inc.
Small Tank Sales Department
INDIANAPOLIS, INDIANA

New York Office: 30 East 42nd St.
Pacific Coast Office: 599 Eighth St., San Francisco
In Canada: Prest-O-Lite Company of Canada, Ltd., Toronto

Send for this Compound of 4 Important Uses—

Special Free Offer to Non-Users of Neo-Balsam Compound

Read what you can accomplish with this extraordinary compound which has no equal for the following dental application:

**Root Canal Filling
Pulp Capping**

**Cement in Deciduous
Teeth & Desensitizing**

Important

Neo-Balsam Compound has a Solvent which softens it—should removal ever be necessary in root canal work. This Solvent is also used as a lubricant in fine canals and to retard the setting of Neo-Balsam Compound.

We Guarantee Neo-Balsam Compound and its Solvent to Fulfill these Requirements.

Neo-Balsam Compound is the formula of Dr. Ewing P. Brady, Professor of Chemistry at the Washington University School of Dentistry, St. Louis, Mo.

Neo-Balsam Compound is positively non-irritating, is extremely sticky even to wet surfaces, does not shrink, it sterilizes without irritation, is impervious to moisture, radiopaque, a non-conductor of heat and cold, is in thorough harmony with the pulp, and the setting can be regulated.

The ideal compound of four important uses that many dentists have been looking for. It fills a gap that nothing else reaches.

Special Free Offer

Introduce Neo-Balsam Compound to those who have not used it. Send the coupon below and we will send you a full size package of Neo-Balsam Compound, which is but \$2.50, and in addition you will receive a 75c bottle of the Solvent free. Send no money—simply mail the coupon and enjoy the satisfaction and convenience of using Neo-Balsam Compound in your practice.

Sold only by First Class Dealers—Satisfaction Guaranteed or your money back.

The A. A. Brown Dental Mfg. Co.
506 N. Vandeventer, St. Louis, Mo.

MAIL THIS COUPON—SEND NO MONEY

The A. A. Brown Dental Mfg. Co.
St. Louis, Mo.

You may send me and credit my dealer the full size package of Neo-Balsam Compound for which I will pay the postman \$2.50, and I am to receive free one 75c bottle of Neo-Balsam Solvent. It is understood that I may return it and get my money back if it is not satisfactory.

Credit sale to
Dealers Name.....

Dr.....

Address.....

Address.....



PLATE REPAIR METAL

Melts at 180 Degrees

Melt with hot spatula and pack to place with palm of finger. Price \$1.50 per box



CARBORUNDUM STONE

TRUER TRUES BOTH TOGETHER. Price \$1.50.



MUSCLE TRIM WAX

Used on the periphery of hard impression. Flows at body temperature making fine outline of muscles.

Price \$3.00 per box

Introduction Price of all Three Articles \$4.00

PALMER DENTAL SPECIALTY MFG.

1001 Green Building

Mention Your Dealer

Seattle, Wash

PATENTS



PENDING

AT LAST, T.D.S. IMPROVED ATTACHMENTS MAKE EVERY INTERNAL PART QUICKLY ACCESSIBLE WITHOUT MULTILATIONS. ALL PARTS ARE STANDARD. ASK ABOUT THEM.

REBUILDS
AND
MANUFACTURES

TERRY'S DENTAL
SPECIALTIES

3409 BEACON AVE. SEATTLE, WN

WORN HANDPIECES REBUILT

EQUAL FOR SERVICE TO ANY NEW ONES. T. D. S. IMPROVED FEATURES INSTALLED IF DESIRED. ESTIMATES GIVEN ON EXAMINATION IF REQUIRED. IF IT'S ABOUT A HANDPIECE ASK TERRY'S

LEARN MECHANICAL DENTISTRY

Practical instruction—day or evening. Three to nine months' course. No charge for equipment. Postgraduate course for Dentists and Practicing Dental Mechanics.

Established over 30 years. Write Dept. 10-H for 36 page catalog.

BODEE DENTAL INSTITUTE

NEW YORK
136 W. 52nd St.

PHILADELPHIA
1305 No. Broad St.

BUFFALO
1226 Main St.

BROOKLYN
15 Flatbush Av

THREE GOOD

reasons for using

GIBB'S NUREMEDY

The Ideal Analgesic for Post-Operative Pain

1. Quicker 2. Surer 3. Safer

Contains no acetanilid, opiates or habit forming drugs.

Sold by Dental Dealers or Direct

100 tablets \$.75 500 tablets \$2.90 1000 tablets \$4.75

CENTRAL LABORATORIES CO.

4210-Olive

St. Louis, U.S.A.

Write for Samples

"But how does it affect saliva?"

THAT is a pertinent question when oral antiseptics are considered. Saliva, Nature's antiseptic, is the most perfect antiseptic known. Why defeat Nature's method by prescribing use of preparations that inhibit the salivary flow and often react unfavorably upon ptyalin, the digestive principle of saliva?

Oleoseptine

stimulates the secretion of saliva and does not react upon ptyalin. Oleoseptine is unlike any other antiseptic. We want you to get acquainted with it. Send your card or a postal—mention your druggist.

The Foster Laboratory, 50 Roseville Ave., Newark, N.J.

4 Forms

(1) Oleoseptine (Liquid). (2) Oleoseptine Tooth Paste. (3) Oleoseptine Emetized Tooth Paste. (4) Oleoseptine Tooth Powder.



SKULLS.

Highest quality with full dentition and fully bleached; Sectioned to show all Sinuses, Middle and Internal Ear, and roots of teeth. This preparation is in great demand.

Skulls sectioned in any way desired to order, or just the plain skull with jaws on springs.

JAWS.

Upper and lower mounted or unmounted. Descriptive Price List on request.

"Anything in Osteology"

Darwin L. Platt, Osteologist
17 Main St., East Rochester, N. Y.

Here's A Profitable Coupon—

For more than 25 years dentists have used BROWN'S CLEANING FLUID—it's the old standby. If you aren't a user yet, send the coupon for a full-sized package, to be billed thru your dealer on a money-back basis—and get details of an interesting offer at the same time.

Wheeler-Brown Specialty Company, 472 Main St., Fitchburg, Mass.

Send package of Brown's Cleaning Fluid and charge thru dealer at \$1.00.

Dr.

Address.....

Dealer.....

Oral Hygiene Bulletin

WANTED—Position as hygienist. Willing to assist dentist. "G" ORAL HYGIENE, Pittsburgh, Pa.

WANTED—Position by hygienist. Two years experience in public work. "Y" ORAL HYGIENE, Pittsburgh, Pa.

FOR SALE—Nebraska practise—well established. X-Ray, two chairs. Good reasons for selling. Less than invoice. "P" ORAL HYGIENE, Pittsburgh, Pa.

WANTED—Dentist, office in up-to-date hospital with AI surgeon. Live town, large territory. Canova Commercial Club, Canova, So. Dakota.

FOR SALE—Fully equipped dental office in good northern Idaho town at a bargain. Going to specialize. "Idaho" ORAL HYGIENE, Pittsburgh, Pa.

FOR SALE—Dental laboratory in Pittsburgh district. Wonderful opportunity for good mechanic. Large field to draw from. Worth investigation. "C" ORAL HYGIENE, Pittsburgh, Pa.

COLLECTIONS—Dental accounts only. Anywhere U. S. No collection—no charge. Debtors located. References: Continental & Commercial Bank, Chicago. Edward E. Collins, Hartford Building, Chicago.

WANTED—Competent all-round dentist, capable of taking charge of established ethical practise. Salary or half interest. Good cash practise. H. Hayden, 210 Main Street, Norfolk, Va.

QUICK COLLECTIONS—Send us your accounts today and get "Quick Results." Collections made everywhere. Wm. H. Dodd, 87 Nassau Street, New York. Established 29 years, one address.

WANTED—Three operators registered in Ohio. Salary and commission. Also laboratory man. Starting one of the most up-to-date offices in Ohio. C. L. Beatty, Hotel Deshler, Columbus, Ohio.

FOR SALE—Excellent western North Dakota practise long established. Doing nine thousand yearly cash. Modern equipment. "H" ORAL HYGIENE, Pittsburgh, Pa.

FOR SALE—Dental office in Massachusetts. Equipment in good condition. Population of town twenty-five hundred. Only dentist. "B" ORAL HYGIENE, Pittsburgh, Pa.

FOR SALE—Dental office southern Illinois town twenty-seven thousand population, best block. Complete three chair office doing one thousand per month. Semi-advertising. Price five thousand dollars, part cash, balance monthly. Will sell home also. Going west for health. "A" ORAL HYGIENE, Pittsburgh, Pa.

FOR SALE—Ethical practice in industrial city, population twenty thousand. Doing six thousand five hundred dollars a year. Reason for selling—going to specialize. "XYZ" ORAL HYGIENE, Pittsburgh, Pa.

FOR SALE—One of the best small town locations in Virginia, two operating rooms. Will sell at cost to replace. "V. rginia" ORAL HYGIENE, Pittsburgh, Pa.

OFFICE AND EQUIPMENT FOR SALE—I am 71 years of age and want to retire. I have an electrically equipped office. Town of fifteen hundred, 55 miles north of Chattanooga, on the line of the Cincinnati Southern. No other dentist within 18 miles. Have electric lights, waterworks and a number of factories. Will give some active young dentist the best opportunity of his life. Address Dr. W. M. Snyder, Spring City, Tenn.

WANTED—Dentist registered in California to contract and sell dentistry. No chair work. Must be convincing, present a good appearance and deliver the goods. References required from any California supply house. Dr. C. M. Horn, 620 Broadway, San Diego, Calif.

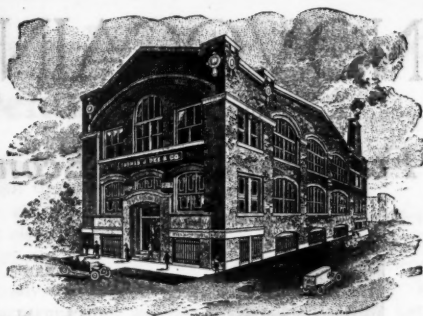
FOR SALE—Two well advertised dental offices in an Ohio town of thirty-five thousand. Received average in each office thirteen hundred to fifteen hundred dollars per month. Will sell at a sacrifice. These offices are considered the two best equipped offices in the city. Reason for selling—going to Europe. "Z" ORAL HYGIENE, Pittsburgh, Pa.

FOR SALE—Clean practise and A-1 equipment. A first class man wishing to locate in Montana would do well to investigate. Sell less than invoice; the proposition is unusual. Going to specialize. Dr. H. F. Best, P. O. Box 66, Dillon, Montana.

Registered dentist wants association as assistant or partner in a hustling ethical office in Boston, Mass., or its suburbs. Have twelve years experience, 4 years in charge of a large dental clinic and my contract is nearly expired. Expert in Extracting, X-Ray and all laboratory work. "B" ORAL HYGIENE, Pittsburgh, Pa.

FOR SALE—Three chair advertising office Laredo, Texas, in the heart of onion and onion district. Personal reasons for selling. Terms to suit. For particulars address Dr. J. O. Edgar, Ugarte Building, Laredo, Texas.

FOR SALE—Office and practise in wealthy central Massachusetts town of three thousand. Office consists of reception room, office, rest room, laboratory, sterilizing room, two operating rooms with Rite equipment, X-Ray. No competition. Cost seven thousand. Taxes ten dollars per thousand. Rent thirty dollars. Protestant man preferred. Business limited to operator's ability. Reason for selling—all health. Price \$4500. Address "Mass" ORAL HYGIENE, Pittsburgh, Pa.



ALL works of art and mechanics must bear a price in proportion to the skill, time and expense attending their manufacture.

Things called dear, when justly estimated, are the most economical.

A purchase of **Dee Golds** is true economy, not merely because of the high character of quality, but on a comparative dollar-for-dollar precious metal content basis.

Users of **Dee Golds** always experience a profound satisfaction when the case is completed.

Say **Dee's** to your dealer.

Thomas J.

DEE & CO.

Refiners and Manufacturers

GOLD—SILVER—PLATINUM

CHICAGO

Purchasing and Sales Dept.
5 So. Wabash Ave.

Refining and Manufacturing Plant
317-319 E. Ontario St.

NOVOCAIN

(Procain-Metz)

The Frequent Users' Economy Packages



The New Style
hermetically sealed
bottles of 100

N. S. Tablets "E" and "T"

\$1.20 per bottle

Box of 10 bottles \$10.00

For two percent. solution, dissolve one N. S. tablet "E" or one N. S. tablet "T" in one cc. Ringer solution.

The N. S. tablet "E" is preferable for mandibular injections and for anesthesia when pronounced ischemia is desired.

The N. S. Tablet "T" is preferred for anesthesia in non-surgical procedures and in patients suffering from anemia, arteriosclerosis and cardiac disorders and also in the very young and in the aged.



HAMETZ LABORATORIES, Inc.
One-Twenty-Two Hudson Street, New York.

Manufacturers of NOVOCAIN—"The Dependable Original"

A Sure Way to Succeed in Dentistry

Every graduate dentist who has complied with the requirements of the State in which he will practice, has a legal right to administer a general anesthetic.

There isn't any one unit of your equipment or technic that will contribute as largely to your success,

as the proper administration of Somnoform.

We have in our files hundreds of testimonial letters from dentists qualified by experience with anesthetics, to speak knowingly of SOMNOFORM. Letters, that will convince anyone of the great value of SOMNOFORM, no matter how skeptical.

One dentist says,—

"Could not practice dentistry without SOMNOFORM."

Another says,—

"I would not sell my SOMNOFORM Outfit for any money, if I could not replace it."

Still another says,—

"SOMNOFORM has increased my practice many dollars per month."

Start Right!

Don't procrastinate. Your patients want painless operating.

Get a SOMNOFORM Outfit from your dealer. Put your hard anesthetic questions up to us. Let your patients and friends know that you administer SOMNOFORM and you will succeed alright.

**STRATFORD - COOKSON
COMPANY**

No. 12 South 40th Street,
Philadelphia, Pa.

Please send me reprint and technic chart.

Name

Address

Dealer



Fundamentally Steele's for bridgework

Interchangeable they escape the ills of fixed
facings, and possess the benefits arising from
removability and replacement.

Practical for every case

used wherever porcelain can be used.

Superior always

Have never been equaled.

Let Us Help You on The Correct Technic
THE COLUMBUS DENTAL MFG.CO.
COLUMBUS, OHIO, U.S.A.

James McMillin Printing Co.
Pittsburgh, Pa.

Tinker Cast Clasp No. 3

For Making Perfect Fitting Cast Clasps

None genuine without the signature of E. T. Tinker.



Price per dwt. \$2.25
(2 dwt. ingots only.)

Clasps can be made very thin owing to the unusual toughness and rigidity of the metal.

Casts with smooth surfaces on both sides.

High in the platinum metals contents yet the color is nearer that of gold than platinum.

Tinker No. 1 For three-quarter crowns. (Contains platinum) Casts with sharp margins, no porosity, no shrinkage or expansion, a perfect metal for this purpose.

Tinker No. 2 Higher in platinum contents than No. 1, consequently, harder. For abutments and cast saddles.

No. 4 Denture Gold for partial and full plates, lingual bars and saddles. Price per dwt. \$1.50.

For sale at all dental dealers

Spyco Smelting & Refining Co.

*Refiners of Gold, Silver and Platinum
Manufacturers of Dental Golds*

Minneapolis, Minn.

Pro-phy-lac-tic Tooth Brush

No Effort to Clean the Teeth Thoroughly

You do a much more thorough job of cleaning when you use a Pro-phy-lac-tic Tooth Brush.

It is because the tufted bristles clean the surfaces of the teeth that the ordinary flat brush fails to reach—and because the curved handle guides the brush easily to the hard-to-reach places that sometimes are neglected or cleaned with difficulty.

Three sizes—adults', youths', and children's.

All Pro-phy-lac-tic Brushes are guaranteed—replaced if not satisfactory.

Dentists: Send for a supply of interesting booklets on the Care of the Teeth, imprinted with your name and a sample set of brushes for demonstration. These will be sent without charge.

Florence Manufacturing Company
Florence, Mass.

Sold by all dealers in the United States and Canada

Brush Your
Upper Teeth
Downward
and
Your Lower
Teeth Upward

